

LEVELTIL

AFWL-TR-78-134

Pt. 1

AD8200324



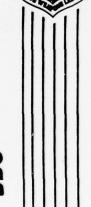
THE INSTALLATION AND OPERATION OF HULL ON 370s

Part 1 of 2

Lewis P. Gaby Mark A. Fry Clifford E. Rhoades, Jr.

January 1979

Final Report



Approved for public release; distribution unlimited.

AIR FORCE WEAPONS LABORATORY Air Force Systems Command Kirtland Air Force Base, NM 87117



This final report was prepared by the Air Force Weapons Laboratory, Kirtland Air Force Base, New Mexico under Job Order 88091822. Dr. Clifford E. Rhoades, Jr. (DYP) was the Laboratory Project Officer-in-Charge.

When US Government drawings, specifications, or other data are used for any purpose other than a definitely related Government procurement operation, the Government thereby incurs no responsibility nor any obligation whatsoever, and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise, as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

This report has been authored by a employee of the United States Government. Accordingly, the United States Government retains a nonexclusive, royalty-free license to publish or reproduce the material contained herein, or allow others to do so, for the United States Government purposes.

This report has been reviewed by the Information Office (OI) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.

This technical report has been reviewed and is approved for publication.

Elford ? Wooden, h

CLIFFORD E. RHOADES, JR., PhD Project Officer

NORMAN F. RODERICK

Major, USAF

Chief, Advanced Concepts Branch

FOR THE COMMANDER

THOMAS W. CIAMBRONE

Colonel, USAF

Chief, Applied Physics Division

UNCLASSIFIED

	READ INSTRUCTIONS BEFORE COMPLETING FORM
REPORT NUMBER 2. GOVT ACCESSION NO	3. RECIPIENT'S CATALOG NUMBER
AFWL-TR-78-134, Pt. 1	
TITLE (and Subtitle)	5. TYPE OF REPORT & PERIOD COVERED
THE INSTALLATION AND OPERATION OF HULL ON 370s	Final Report
Part 1 of 2	6. PERFORMING ORG. REPORT NUMBER
AUTHOR(#)	8. CONTRACT OR GRANT NUMBER(8)
Lewis P. Gaby Mark A. Fry	or converge on onan Admittage
Clifford E. Rhoades, Jr.	
PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
Air Force Weapons Laboratory (DYP)	62601F
Kirtland Air Force Base, NM 87117	88091822
CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE
Air Force Weapons Laboratory (DYP)	January 1979
Kirtland Air Force Base, NM 87117	13. NUMBER OF PAGES
	258
MONITORING AGENCY NAME & ADDRESS(II different from Controlling Office)	15. SECURITY CLASS. (of this report) Unclassified
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
Approved for public release; distribution unlimit	ted.
Approved for public release; distribution unlimit To Distribution Statement (of the abetract entered in Block 20, 16 different for	
Approved for public release; distribution unlimit	om Report) Onsists of the front matter
Approved for public release; distribution unlimit 7. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, 16 different for 8. SUPPLEMENTARY NOTES This report is divided into two parts. Part 1 co and Sections I through IV, pages 1 through 258.	om Report) Onsists of the front matter Part 2 consists of
Approved for public release; distribution unlimit 7. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, 11 different for 8. SUPPLEMENTARY NOTES This report is divided into two parts. Part 1 co and Sections I through IV, pages 1 through 258. Section V, pages 259 through 484. 9. KEY WORDS (Continue on reverse side II necessary and identify by block number Machine independent software Elastic plastic hydrodynamic computer program HULL	om Report) Onsists of the front matter Part 2 consists of
Approved for public release; distribution unlimit 7. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, 11 different for 8. SUPPLEMENTARY NOTES This report is divided into two parts. Part 1 co and Sections I through IV, pages 1 through 258. Section V, pages 259 through 484. 9. KEY WORDS (Continue on reverse side II necessary and identify by block number Machine independent software Elastic plastic hydrodynamic computer program	on Report) Onsists of the front matter Part 2 consists of

DD 1 JAN 73 1473 Y EDITION OF 1 NOV 65 IS OBSOLETE

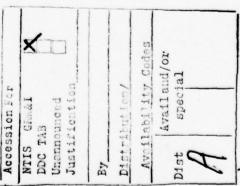
0

SUMMARY

The HULL computer program has been used extensively to study problems in nuclear weapons effects and in armor penetration. In addition to the equations of hydrodynamics, HULL models elastic-plastic phenomenology as well as non-equilibrium radiation diffusion. When originally written, HULL was designed for the CDC 6600. With the introduction of the CDC 7600 and Cyber 176, the program was modified to execute on these newer machines. The increasing popularity of the program has required conversion to IBM system 370 compatible equipment. The 360/370 architecture is perhaps the most widely used in the world. It is widely emulated in the United States and within the Soviet Bloc. Most noteworthy are the Amdahl 470/V7, the Itel AS6, and the IBM 3033.

This report describes the procedures for installing HULL on 370 compatible equipment running the OS/VS2 operating system. The reader begins with the standard HULL distribution tape and installs SAIL, the SAIL library, the HULL library and the HULL program. The operation of HULL is described in some detail so that a user with the aid of three companion technical reports can successfully set up and run problems of interest.

Because HULL is a very large program or, more properly, a set of programs, not all options could be checked in detail. The user is expected to write the plot package interface routines that are required by HULL. In addition, certain calculations may be sensitive to the default precision used by 370 compatible computers. We have found that only the equation-of-state needed to be converted to Double Precision. However, not all EOS materials have been converted. All users are expected to exercise professional caution in exploiting the HULL program for problems of interest. In addition, because of the complexity of HULL, minor changes to the operating system can have very drastic effects on program operation. All users are expected to have more than rudimentary sophistication in dealing with the operating system.



PREFACE

This manual was prepared as a part of the joint Air Force Armament Laboratory (AFATL) and Air Force Weapons Laboratory (AFWL) HULL computer program effort under Project 8809, Task 18, "Advanced Computer Simulation of Nuclear and Non-conventional Weapons and Weapons Effects."

This report applies to the elastic-plastic HULL system as written in-house at the AFATL by Major Daniel A. Matuska and Major Richard E. Durrett. All references in this report to HULL relate to this computer program.

It is a pleasure to acknowledge the assistance of Major Matuska whose technical contributions and advice made this report possible. We are thankful to Captain J. O. Skelton of the Air Force Armament Development and Test Center for arranging and providing funds for computer time at the Air Force Weapons Laboratory and at the Harry Diamond Laboratories. All calculations described in this report were performed at these laboratories.

This report is not intended to be read alone. Users of this report must be familiar with the contents of the following three reports:

- 1. The HULL Code: A Finite Difference Solution to the Equations of Continuum Mechanics, AFATL-TR-78-125 by Richard E. Durrett and Daniel A. Matuska, Air Force Armament Laboratory, Eglin AFB, FL.
- 2. <u>SAIL</u>, An Automated Approach to Software Development and Management, AFWL-TR-78-80 by Lewis P. Gaby, David H. Graham, and Clifford E. Rhoades, Jr., Air Force Weapons Laboratory, Kirtland AFB, NM.
- 3. <u>HULL System Report</u>, AFWL-TR-78-115 by Lewis P. Gaby, Air Force Weapons Laboratory, Kirtland AFB, NM.

Reference to a company or product name does not imply approval or recommendation of the product by the US Government to the exclusion of others that may be suitable.

CONTENTS

Section		Page
I	INTRODUCTION	5
II	HULL SYSTEM INSTALLATION	6
III	TEST PROBLEM 1.2	11
	System 370 KEEL Run	13
	Cyber 176 KEEL Run	25
	System 370 HULL Run	39
	Cyber 176 HULL Run	65
IV	TEST PROBLEM 1.3	139
	System 370 KEEL Run	141
	Cyber 176 KEEL Run	163
	System 370 HULL Run	179
	Cyber 176 HULL Run	223
٧	TEST PROBLEM 4.013	259
	System 370 KEEL Run	261
	Cyber 176 KEEL Run	279
	System 370 HULL Run	299
	Cyber 176 HULL Run	355
	APPENDIX A: TRANSFER OF HULL FROM CDC 6600 TO IBM 370	479
	APPENDIX B: HULL CONVERSION TO IBM 370/168	481
	BIBL IOGRAPHY	482

AFWL-TR-78-134

TABLES

Table		Page
1	SAIL Generation	7
2	Punching Procedure Decks	7
3	Converting SAIL	8
4	Converting HULL	9
5	Generating SAIL Utility Routines	9
6	Generating HULL Utility Routines	10
7	Generating PLANK	10

SECTION I

INTRODUCTION

The study of the phenomenology of nuclear, nonconventional and conventional weapons effects requires an understanding of radiation hydrodynamics and elastic-plastic solid media response. The HULL computer program was written to provide these calculations.

The HULL computer program is a complete system for operating, updating, running, and plotting a variety of hydrodynamic or finite difference computer programs. The system includes an update routine which maintains and modifies the system source images, tape library routines, an executive routine which generates the source images for the executable code, and a module for plotting the resulting data calculated. Development of HULL began at the Air Force Weapons Laboratory in 1971. HULL was used mainly to investigate nuclear driven blast phenomenology. In 1975, a new phase of HULL development began at the Air Force Armament Laboratory. The code was extended into the elastic-plastic area with emphasis on solid media response. The HULL computer program is now operational on more than a half dozen computers in the United States and in the United Kingdom.

This manual provides the information necessary to install and to operate HULL on System 370 compatible computers. Section II, HULL System Installation, contains the details of the installation. Section III, IV and V display the test problems which can be used to check out the installation. Except for minor editorial changes to conserve space, the output is presented exactly as produced by the computer. Appendix A summarizes the intent of this research while Appendix B provides a quick overview of what was learned during the process of moving HULL to the System 370. The preface cites two reports, which must be understood in detail. The bibliography contains references to other calculations which may be of interest to the reader.

SECTION II

HULL SYSTEM INSTALLATION

OVERVIEW

The HULL installation tape for the IBM system is an unlabeled nine-track EBCDIC tape written at 800 bpi. It contains six files that have a fixed blocked format (RECFM = FB). The first four have a record length of 80 (LRECL = 80) and a blocking factor of 10 (BLKSIZE = 800), while the two last files have a record length of 120 with block sizes of 1200.

The installation of HULL on a new IBM system requires seven steps:

(1) generation of SAIL and creation of the SAIL library, (2) obtaining the HULL/
SAIL execution procedures, (3) converting the SAIL file of SAIL to packed format,

(4) converting the SAIL file of HULL to packed format, (5) generating the SAIL
utility routine in the SAIL/HULL library, (6) generating the HULL utility routines
in the SAIL/HULL library, and (7) generating PLANK in the SAIL/HULL library.

SAIL GENERATION

The source for the SAIL generation is contained on the first three files of the tape. The first file is the FORTRAN source, the second contains the assembly source and the third contains the linkage editorial directives. The initial generation of SAIL is the SAIL/HULL library and is accomplished by the standard assembly compilation procedure. ASMC and the FORTRAN H compiler and link edit procedure FORTHCL. The JCL to generate the SAIL/HULL library named SAIL.HULLIB is shown in table 1.

EXTRACTING EXECUTION PROCEDURES

The fourth file on the tape contains the procedures SAIL, SGEN, SLIB, HLIB, PGEN, KEEL, HULL, and PULL. Procedures SAIL and SGEN are described in the SAIL users manual while the remaining procedures are described in the HULL system users guide. They may be punched to cards using the IBM utility IEBGENER as shown in table 2. The procedure may be used in line and may be placed in the procedure library.

Table 1

SAIL GENERATION

```
//** JOB . . .
//ASM EXEC ASMC
//ASM.SYSIN DD
                   UNIT= TAPE9, VOL=SER=HULL, LABEL=(2, NL),
11
                   DISP=(OLD, PASS),
11
                   DCB=RECFM=FB, LRECL=80, BLKSIZE=800)
//COMP EXEC
                   FORTHCL, PARM. FORT='NAME=SAIL',
                   PARM. LKED='OVLY'
11
//FORT.SYSIN DD UNIT=TAPE9, VOL=SER=HULL, LABEL=(1, NC),
11
                   DISP=(OLD, PASS),
//DCB=(RECFM=FB, LRECL=80, BLKSIZE=800)
//LKED.SYSLMOD DD DSC=SAIL.HULLIB,DISP=(NEW,CATLG),
11
                    SPACE=(CYL,(10,10,10)UNIT=SYSDA
//LKED.SYSIN DD UNIT=TAPE9, VOL=SER=HULL, LABEL=3, NL),
                  DISP=(OLD, KEEP),
                  DCB=(RECFM=FB, LRECL=80, BLKSIZE=800)
```

Table 2

PUNCHING PROCEDURE DECKS

```
//*** JOB-...
//COPY EXEC PGM=IEBGENER
//SYSPRINT DD
                SYSOUT=A
//SYSIN
                DUMMY
//SYSUT1
           DD
                UNIT=TAPE9, VOL=SER=HULL, LABEL=(4, NL)
11
                DISP=(OLD, KEEP),
11
                DCB=(RECFM=FB, LRECL=80, BLKSIZE=800)
//SYSUT2
                SYSOUT=B
           DD
```

CONVERTING SAIL

The fifth file contains the coded format of the SAIL library of SAIL. To be used it must be converted to a binary packed format using the procedure SAIL as shown in table 3.

CONVERTING HULL

The sixth file is the coded format of the HULL file which also must be converted using the procedure SAIL as shown in table 4.

GENERATING SAIL LIBRARY ROUTINE

The utility routines from SAIL must be added to the SAIL/HULL library using the procedure SLIB. Table 5 shows the JCL which will add the routines to a library on a data set SAIL.HULLIB.

GENERATING HULL LIBRARY ROUTINES

The utility routines from HULL must be added to the SAIL/HULL library using the procedure HLIB. The JCL which adds the routines to the library on data set SAIL.HULLIB is shown in table 6.

GENERATING PLANK

Finally the program PLANK must be generated and added to the SAIL/HULL library. Table 7 shows an example JCL using PGEN to generate PLANK on a library SAIL.HULLIB.

Table 3

CONVERTING SAIL

Note: Library is SAIL.HULLIB and SAIL library of SAIL is on SAIL.SAIL.V58 stored on a system direct access device (SYSDA).

Table 4

CONVERTING HULL

Note: Library is on SAIL.HULLIB.SAIL library of HULL is on system direct access device SYSDA) as SAIL.HULL.V105.

Table 5 GENERATING SAIL UTILITY ROUTINES

Note: Library to be used and update is SAIL.HULLIB and SAIL library file of SAIL is cataloged as SAIL.SAIL.V58.

Table 6 GENERATING HULL UTILITY ROUTINES

//*** JOB...
//PLANK EXEC PGEN,GENO='.V105'
//SAIL.INPUT DD *
 SAIL PROGRAM PLANK
/*

Note: Object library is SAIL.HULLIB. SAIL library file of HULL is SAIL.HULL.V105.

Table 7 GENERATING PLANK

///*** JOB...
//GEN EXEC HLIB,GENO='.V105'
//SAIL.INPUT DD *
 SAIL PROGRAM LIBRARY ENDPROGRAM
/*

Note: Object library to be used and updated is cataloged as SAIL.HULLIB. SAIL system library of HULL is cataloged as SAIL.HULL.V105.

SECTION III

TEST PROBLEM 1.2

Problem 1.2 is a small test problem with 560 zones. It is a cylindrical shaped copper rod impacting a thin steel plate at approximately 10,000 ft/s. Options selected for this problem were ATMOS=5, constant atmosphere, STRESS=1, elastic-plastic formulation included, FLUXER=3, volume and energy fluxes. Zone sizes were 0.25 cm square; 118 cycles were completed advancing the problem to 16 μ s. Dumps at cycle 0, 20, 27, and 118 are presented. In this penetration simulation, the copper rod was kept stationary and the steel plate was moved at 10,000 ft/s. By cycle 118, problem time 16 μ s the plate has moved to the top of the mesh.

PROBLEM 1.2 SYSTEM 370 KEEL RUN

```
//KEEL.DATA BB DSW=AF2001.HULL.PROB1P2,UNIT=SYSDA,DISP=(NEW,CATLG),
// DCB=(RECFN=VBS,LRECL=7220,BLKSIZE=7224),
                                                                                                                                                              OLDPRE='AF2001.',PP1='SYSGUT=H,HOLD=YES',PTIME='(0,10)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       //FORT.SYSTERM DD DSW=AF2001.KEELT.OUTLIST, DISP=(NEW, CATLG),
                                                                                PS1='SYSOUT=H,HOLD=YES',PS2='SYSOUT=H,HOLD=YES',
                                                                                                            FP1='SYSOUT=H,HOLD=YES', LP1='SYSOUT=H,HOLD=YES',
                                                                                                                                         KP1='SYSOUT=H,HOLD=YES',KTIME=1,LIBPRE='AF2001.
//AF2001K JOB (AF2001,,5), 'KEEL RUN', MSGCLASS=H,CLASS=B,
                                                       //KEEL EXEC KEEL, GENO= .. U105', FPARM= 'NOSOURCE, TERM',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UNIT=SYSDA,SPACE=(CYL,(3,3)),
DCB=(RECFM=FB,LRECL=133,BLKSIZE=1330)
                                                                                                                                                                                                                                                        SPACE = (CYL, (20,20))
                                                                                                                                                                                                                                                                                                                                                                                                                        EDS=6 NM=3 AIR=1 FE=2 CU=3
                                                                                                                                                                                                                                                                                                                                                                  STRESS=1 STRAIN=1 ATMOS=5
                                                                                                                                                                                                                                                                                  //KEEL.STATION DD DUMMY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NESH XMAX=5 YO=-2 YMAX=5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RECTANGLE X2=1 Y1=0 Y2=4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RECTANGLE X2=1 Y1=0 Y2=4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RECTANGLE Y1=-1 Y2=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PACKAGE AIR V 3.ES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PACKAGE FE V=3.E5
                                                                                                                                                                                                                                                                                                                 //KEEL.INPUT DD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RECTANGLE Y2=-1
                                                                                                                                                                                                                                                                                                                                                                                               IMAX=20 JMAX=28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RECTANGLE Y1=0
                                                                                                                                                                                                                                                                                                                                          KEEL PROB=1.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CU PENETRATOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       //SAIL.INPUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SAIL LINENO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PACKAGE AIR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              END OF DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PACKAGE CU
                                                                                                                                                                                                                                                                                                                                                                                                                                                  FLUXER=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HEADER
```

9	_	S A168							
	ISSUEI	B - SY	2000	0005	2000	2004	2000	2000	
2 JOE	AF2001K	3 - CLASS	0.24	0.74	109.09	19.00	2.19	3.61	
O E S	FOR JOB	TINI .	•	=	Ĭ	270		29	
	MESSAGE(S)	SHASP373 AF2001K STARTED - INIT 3 - CLASS B - SYS A16	10:38:12	10:38:20	10:38:31	10:50:08	10:54:41	10:55:17	ENDED
	JARNING	AF 2001K	KEEL	PLANK	SAIL	FORT	LKED	09	AF2001K
	1EF6771	\$HASP373	AF 2001K	AF 2001K	AF2001K	AF2001K	AF2001K	AF2001K	\$HASP395
	109	109	109	109	109	109	109	109	109
	JOB	108	108	108	108	108	108	108	108
	10.38.12	10.38.12	10.38.18	10.38.31	10.50.07			10.55.46	10.55.48

GENERATING KEEL Disk version

KEEL RUN

EQUATION OF STATE - SOLIDS - NO STRENGTH

ATMOSPHERE - CONSTANT
CONSTANT
VOLUNE AND ENERGY FLUXING
THE FOLLOWING OPTIONS WERE DEFINED BY PLANK.

"	"		"	"	ıt	"	"	"	u	u	"	"	*	"	"		n	u	**	"	**	"	"	"	"	,,		"	"	11		11	н
ATHOS	BURN	CODE	DIMEN	503	GEOM	HOT	IMAX	ISLAND	JMAX	KMAX	LBUFA	LBUFB	MAGFLD	METHOD	II	MH1C	===	MOP	NHIST	MPLPB	MPP	MROUPB	NETN	NUARST	RAD	REZONE	STRESS	SURF	ns	XMS	VISC	LANB	RROUND

.......

.

LBOUND KEEL PULL VOIDS FLUXER DEPOS FAIL STRAIN WORK FIREIN HAT AIR

TOO

PROB	1.199999809265140+00	4113333300000000	
ATMOS	5.0000000000000000000000000000000000000	415000000000000	
BREF	0.0	0000000000000000	
CODE	1.0000000000000D+00	41100000000000000000	
0700	0.000005147557590-79	0000001000000	
CYCLE	0.0	0000000000000000	
DIMEN	2.0000000000000D+00	4120000000000000	
10	1.00000008274037D-08	3A2AF31E00000000	
ELC	0.0	0000000000000000	
EOS	6.0000000000000D+00	416000000000000	
ETH	0.0	00000000000000000	
EXPAND	5.000090074505810-02	3FCCCCCD0000000	
FAIL	0.0	0000000000000000	
FLUXER	3.0000000000000D+00	4130000000000000	
GEOM	2.0000000000000D+00	41200000000000000	
IMAX	2.0000000000000D+01	4214000000000000	
10	1.9000000000000000001	4213000000000000	
ISLAND	0.0	0000000000000000	
JHAX	2.8000000000000000000000000000000000000	421000000000000	
70	2.7000000000000000000000000000000000000	421B000000000000	
нов	0.0	0000000000000000	
LREF	0.000005147557590-79	00000010000000	
METHOD	2.000000000000000000000000000000000000	4120000000000000	
MLC	0.0	0000000000000000	
. HTH	0.0	0000000000000000	
**	2.0000000000000D+01	421400000000000	
MHIC	1.6000000000000D+03	4364000000000000	
NHIST	6.000000000000000000000000000000000000	4160000000000000	
**	3.000000000000000000000000000000000000	4130000000000000	
MOP	0.0	00000000000000000	
MPP	3.00000000000000D+00	4130000000000000	
MROUPB	4.0000000000000000000000	4140000000000000	
PISTOP	6.000000000000000000000000000000000000	4325800000000000	
RADLOS	0.0	00000000000000000	REZONE
RREF	0.0	0000000000000000	
STABF	5.0000000000000000000000000000000000000	4080000000000000	
STRAIN	1.0000000000000000000000000000000000000	41100000000000000	
STRESS	1.00000000000000000001	4110000000000000	
SUME	0.0	00000000000000000	
-	0.0	0000000000000000	
TERAD	0.0	0000000000000000	
110	0.0	0000000000000000	
TREF	0.0	0000000000000000	
TTIME	0.0	0000000000000000	
TISTOP	* AAAAAAAAAAAAAAAA	******************	
	70.000000000000000000000000000000000000	4204000000000000000	

```
7.5000000E-01
1.5000000E+00
2.2500000E+00
3.0000000E+00
3.7500000E+00
                                                                                                                                                                                                                                                                                                                     1.75000191E+00
2.50000191E+00
3.25000191E+00
4.00000191E+00
                                                                                                                                                                                                                                                                                -1.24999809E+00
                                                                                                                                                                                                                                                                                                             1.00000191E+00
                                                                                                                                                                                                                                                                                         -4.99997914E-01
                                                                                                                                                                                                                                                                                                   2.50002265E-01
                                                                                                                                                                                    2.50000006E-01
2.50000006E-01
2.50000006E-01
2.50000006E-01
2.50000006E-01
                                                                                                                                                                                                                                                                                                           2.5000066E-01
2.5000066E-01
2.5000060E-01
2.5000060E-01
2.5000060E-01
                                                                                                                                                                                                                                                                                2.50000060E-01
                                                                                                                                                                                                                                                                                         2.50000060E-01
                                                                                                                                                                                                                                                                                                   2.50000060E-01
                                                                                                                                                                                                                                                                                                                                                                2.50000060E-01
                                                                                                                                                                                                                                                            D
                                                                                                                                                                                                                                                                                                                                                                                                                                                 X2 = 5.0000006E+00 Y1 = -2.0000010E+00 Y2 = -1.0000000E+U0 4.526023E+09 ERGS INSERTED AS MATERIAL 1
                                                                                                                                                                                     w 0 0 5 15 6
                                                                                                                                                                                                                                                                                22282222
                                                                                                                                                                                     5.00000000E-01
1.25000000E+00
2.0000000E+00
2.75000000E+00
3.5000000E+00
                                                                                                                                                                                                                                                                                -1.49999905E+00
                                                                                                                                                                                                                                                                                                                        1.50000191E+00
                                                                                                                                                                                                                                                                                                                                            3.00000191E+00
3.75000191E+00
                                                                                                                                                                                                                                                 5.00000000E+00
                                                                                                                                                                                                                                                                                                    2.20537186E-06
                                                                                                                                                                                                                                                                                                              7.50002384E-01
                                                                                                                                                                                                                                                                                                                                  2.25000191E+00
                                                                                                                                                                                                                                                                                          -7.49997973E-01
                                                                                                                                                                                                                                                                                                                                                                4.50000191E+00
                                                                                                                                                                                                                                                                                                                      2.5000060E-01
2.5000060E-01
2.5000060E-01
2.5000060E-01
2.5000060E-01
                                                                                                                                                                                     2.50000006-01
2.50000006-01
2.50000006-01
2.50000006-01
2.50000006-01
2.50000006-01
2.50000006-01
                                                                                                                                                                                                                                                                                         2.50000060E-01
2.50000060E-01
2.5000060E-01
        2.50000060E-01
                                                                                  4217000000000000
                                                                                                      0000000000000000
                                                                                                                00000000000000000
                                                                                                                                                                                      224763
                                                                                                                                                                                                                                                                                  222274-1852
                                                                                                               0.0
                                         1.00000000E+00
                                                                                                                                                                                                                             3.25000000E+00
                                                                                                                                                                                                                                                                                                                        2.50000666E-01 1.25000191E+00
2.50000666E-01 2.00000191E+00
2.5000066E-01 2.75000191E+00
5.000000000000000b+00
                                                                                                                                                                                                                    2.5000000E+00
                                                                                                                                                                                                                                                 4.7500000E+00
                                                                                                                                                                                                                                                                                 2.50000060E-01 -1.75000000E+00
2.50000060E-01 -9.99998033E-01
                                                                                                                                                                                      2.5000000E-01
                                                                                                                                                                                                                                                                                                     2.50000060E-01 -2.49997854E-01
                                                                                                                                                                                                                                                                                                               5.00002325E-01
                                                                                                                                                                                                                                                                                                                                                      3.50000191E+00
                                                                                                                                                                                                                                                                                                                                                                 2.50000060E-01 4.25000191E+00
                                                                                                                                                                                                                                                                                                                                                                          2.50000060E-01 5.00000191E+00
                                                                                 2.300000000000000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERATE A RECTANGL OF MATERIAL
                                                                                                                                                                                                                                                                                                                                                                                                          OF MATERIAL
                                                                                                                                                                                                                                                                                                                                                                                    GENERATING PROBLEM
                                                                                                                                                                                                                                                                        -2.00000095E+00
                                                                                                                                                                                                                                                                                                               2.50000060E-01
                                                                                                                                                                                                                                                                                                                                                       2.50000060E-01
                                                                                                                                                                                      1 2.50000000E-01
                                                                                                                                                                                                                                                2.50000000E-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.620315E-02 BMS
                                                                                                                                                                                                                    2.50000000E-01
                                                                                                                                                                                               4 2.5000000E-01
                                                                                                                                                                                                          2.50000000E-01
                                                                                                                                                                                                                              2.50000000E-01
                                                                                                                                                                                                                                        2.50000000E-01
                                                                                                                                                                                                                                                                                                                                                                                                         GENERATE A CIRCLE
                                                                                                                                                                                                                                                                                                                                                                                               DEFAULT WILL BE
                                                                                                     YIELD
AIR
                     V010S
W0RK
X1
X2
X03
```

0.0

是對於

ATP =				
	OF MATERIAL 1			
= 1X	0.0 XZ = 5.0000	5.0000000E+00 11 = 0.0	17 =	5.0000017E+0
= 1X	4	1.0000000E+00 YI = 0.0	Y2 =	4.0000010E+0
4.655850E-01 GHS		9.515241E+08 ERGS INSERTED AS NATERIAL		
	£			
GENERATE A REC	TANGL OF MATERIAL 3			
1.118370E+02 GMS		1.267456E+11 ERGS INSERTED AS MATERIAL	3 - 2 -	
ZBLK				
PROB	1,19999809265140+00	4113333300000000		
ATMOS	5.000000000000000000000000000000000000	415000000000000		
BREF	0.0	0000000000000000		
CODE	00+000000000000000000000000000000000000	4110000000000000		
0,100	0.00000514/55/59/0-/9	000000000000000000000000000000000000000		
CTCLE	0.0	000000000000000000000000000000000000000		
DINER	2.000000000000000000000000000000000000	412000000000000		
10	1.000000082740370-08	3A2AF 31E00000000		
373	0.0	0000000000000000		
E05	9.00000000000000000.9	416000000000000000000000000000000000000		
ETH	0.0	0000000000000000		
EXPAND	5.00000007450581B-02	3FCCCCD00000000		
FAIL	0.0	0000000000000000		
FLUXER	3.0000000000000D+00	4130000000000000		
GEOM	2.00000000000000D+00	4120000000000000		
IMAX	2.0000000000000D+01	42140000000000		
10	1.900000000000D+01	4213000000000000		
ISLAND	0.0	0000000000000000		
JAAX	2.8000000000000000000000000000000000000	421000000000000		
5	2.7000000000000D+01	421B000000000000		
HOB	0.0	00000000000000000		
LREF	0.000005147557590-79	00000010000000		
METHOD	2.000000000000000000000000000000000000	4120000000000000		
MLC	0.0	0000000000000000		
HTH	0.0	000000000000000		
Ŧ	2.0000000000000D+01	4214000000000000		
MHIC	1.6000000000000000000000000000000000000	4364000000000000		
TSINK	6.000000000000000000000000000000000000	4160000000000000		
*	3.000000000000000000000000000000000000	413000000000000		
MOP	0.0	0000000000000000		
APP	3.0000000000000000000000000000000000000	4130000000000000		
MROUP	4.00000000000000000000	4140000000000000		
PISTOP	6.0000000000000000+02	4325800000000000		
RADLOS	0.0	0000000000000000		

RREF	0.0	0000000000000000
STABF	5.000000000000000000000000000000000000	4080000000000000
STRAIN	1.0000000000000000001	411000000000000000000000000000000000000
STRESS	00+000000000000000000000000000000000000	411000000000000000000000000000000000000
SUNE	0.0	0000000000000000
	0.0	000000000000000
TERAD	0.0	0000000000000000
ורכ	0.0	000000000000000
TREF	0.0	000000000000000
INE	0.0	0000000000000000
TISTOP	1.00000000000000000001	4264000000000000000
UREZ	1.000000000000000001	414000000000000000000000000000000000000
VISC	0.0	000000000000000
VREZ	1.000000000000000001	414000000000000000000000000000000000000
VOIDS	0.0	0000000000000000
HORK	0.0	0000000000000000
. x	4.00000000000000D+00	41400000000000000
	-1.000000000000000000001-	011000000000000113
XOB	0.0	0000000000000000
7.1	5.0000000000000000000000000000000000000	415000000000000000000000000000000000000
	2.3000000000000D+01	42170000000000000
TGND	0.0	000000000000000
YIELD	0.0	000000000000000
AIR	1.0000000000000000000000000000000000000	411000000000000000000000000000000000000
0.3	3.000000000000000D+00	4130000000000000000000
99	2.0000000000000000000000000000000000000	412000000000000000000000000000000000000

INDIVIDUAL MASS SUMS 5.618618E-01 6.173164E+02 1.118401E+02

	AMX DY Y	03 6.01318898E-05 2.50000060E-01 -1.75000000E+00	03 6.01318898E-05 2.50000060E-01 -1.4999905E+00	03 6.01318898E-05 2.50000060E-01 -1.24999809E+00	03 6.01318898E-05 2.50000060E-01 -9.99998033E-01	00 3.85826111E-01 2.50000060E-01 -7.49997973E-01	06 3.85826111E-01 2.50000060E-01 -4.99997914E-01	00 3.85826111E-01 2.50000060E-01 -2.49997854E-01	00 3.85826111E-01 2.50000060E-01 2.20537186E-06	00 4.36876774E-01 2.50000060E-01 2.50002265E-01	00 4.36876774E-01 2.50000060E-01 5.00002325E-01	00 4.36876774E-01 2.50000060E-01 7.50002384E-01	יי דירוידיי י ביססססיים יי ייס דירוידיי י
	RHO	1.22499629E-03	1.22499629E-03	1.22499629E-03	1.22499629E-03	7.85998154E+00	7.85998154E+00	7.85998154E+00	7.85998154E+00	8.89997673E+00	8.89997673E+00	8.89997673E+00	000000000000000000000000000000000000000
0.250	AIX	2.04397363E+09	2.04397363E+09	2.04397363E+09	2.04397353E+09	1.26824038E+09	1.26824038E+09	1.26824038E+09	1.26824038E+09	1.13335680E+09	1.13335680E+09	1.13335680E+09	
DX(I)=	>	.00000187E+05	.00000187E+05	.00000187E+05	.00000187E+05	.99999750E+05	.99999750E+05	2.9999750E+05	.99999750E+05	0.	0.	0.	
0.250		2	2	2	2	2	2	2	2	0	0	0	•
x(I)=	ח	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-													

经社会

2.50000060E-01 1.25000191E+00 2.50000060E-01 1.50000191E+00 2.50000060E-01 2.0000191E+00 2.50000060E-01 2.5000191E+00 2.50000060E-01 2.5000191E+00 2.50000060E-01 2.5000191E+00 2.50000060E-01 3.2500191E+00 2.50000060E-01 3.2500191E+00 2.50000060E-01 3.5000191E+00 2.50000060E-01 3.5000191E+00 2.50000060E-01 4.5000191E+00 2.50000060E-01 4.5000191E+00 3.50000060E-01 4.5000191E+00 3.50000060E-01 4.5000191E+00 3.50000060E-01 4.5000191E+00		
4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 4.36876774E-01 6.01318898E-05 6.01318898E-05		MAP 20)
8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 8.899976/3E+00 1.224996/29E-03 1.224996/29E-03		MATERIAL P
1.1335680E+09 1.13335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 1.1335680E+09 2.04399949E+09 2.04399949E+09	3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 0.0 0.0 0.0 0.0 3.8826111E-01 3.85826111E-01 3.85826111E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	
000000000000000000000000000000000000000	6.01318898E-05 6.01318898E-05 6.01318898E-05 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	
22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	78 78 73 7 7 8 4 7 9 8 7 9 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	

+ - AIR X - STEEL O - COPPER

7.500E-03

1.250E-02 1.500E-02 2.000E-02 2.250E-02 2.250E-02 3.050E-02 3.250E-02 3.250E-02 3.250E-02 4.000E-02

5.000E-03

2

3 2

1657

++++++++++++++0000

ALTITUDE

12345678901234567890

-7.500E-03 -5.000E-03 -2.500E-03 2.205E-08 2.500E-03

 5

12345678901234567890

8558555

21

20 18

學認

PROBLEM 1.2 CYBER 176 KEEL RUN

Min.

BATCH CREATED 88/18/78 TODAY IS 88/21/78 AUTOMATIC BULLETIN TO BATCH JOBS +

	plototok	polotokokokolotok	totototototot	endenderkk kelonistenskindenskrindskrindskrindskrindskrindskrindskrindskrindskrindskrindskrindskrindskrindskri
	* >	SYSBULL		CONTENTS
871878	£ *	STATUS	1	AVAILABILITY STATUS OF ALL SYSTEMS
87 978	×	MEMBST	1	
373178	*	NASTRAN	1 1	INFORMATION FOR USERS OF NASTRAN
7/18/78	*	CONTACT	1 1 1	WHO TO CONTACT ABOUT COMPUTER PROBLEMS
7/14/78	*	MODS	1 1 1	FEATURES ADDED TO CDC NOS/BE *
7/14/78	*	CMECMGT	1 1 1	CM AND ECS FIELD LENGTH MANAGEMENT *
6723778	*	FLECS	1 1 1	STRUCTURED PROGRAMMING PRE-PROCESSOR FOR FIN
6/28/78	*	LETTER	1 1	AFUL COMPUTER CENTER NEWSLETTER
6/14/78	*	ASPL 18	1 1 1	AFUL COMMON MATH LIBRARIES
5/16/78	*	CLASS	1 1 1	CLASSES FOR USERS OF AFUL COMPUTER CENTER
5/8/78	*	ACCESS	1 1 1	HOW TO DBTAIN AN AFUL KAFB COMPUTER ACCOUNT
5/ 4/78	*	CONF 1G	1 1 1	SYSTEMS CONFIGURATION
5/ 4/78	*	EXPDITE	1 1	AFLIR CUSTOMER SERVICE (EXPEDITOR)
5/ 1/78	*	PRIORTY	1 1 1	JOB CARD PRIORITY CODES
472478	*	BILLING	1 1 1	AFUL COMPUTER BILLING INFORMATION *
472:73	*	DIALUP	1 1 1	COMPUTER DIALUP PHONE NUMBERS
4/19/78	*	INTRO	1 1 1	BASIC INTRODUCTION TO KAPB COMPUTER CENTER
4/18/78	*	DUMPS	1 1 1	STANDARD PROCEDURES FOR ERROR DUMPS
471478	*	TITLE	1 1 1	MICROFICHE VISUAL TITLE GENERATION *
4/11/78	*	REQUEST	1 1	
4/ 6/78	*	PLOT	1	DEVICE INDEPENDENT PLOT SYSTEM -METAPLOT-
3/31/78	*	PCCOUNT	1 1 2	ACCOUNT CARD FORMAT.
3/38/78	*	PFRULES	1 1 1	LOCAL RULES FOR CATALOGING FILES
3/38/78	*	BACKUP	1 1 1	PERMANENT FILE BACKUP PROCEDURES *
3/38/78	*	PRIME ILE	1 1 1 1	PERM FILE ACCOUNTING AND BACKUP SYSTEMS
37.978	*	LABEL	1 1 1	AFUL LABELLED TAPE PROCESSING *
3/ 9/78	*	FR88	1 1 1	280 SIMULATION VIA FR80 *
3/ 9/78	*	COMP ILE	1 1 1 1	FTN COMPILER CHANGES AND RELEASES
3/8/78	*	AFSCNET	1 1 1 1	INFORMATION ABOUT AFSCNET
3/ 7/78	*	METAQUE	1 1 1 1	AUTOMATIC DISPOSITION OF META PLOT FILES
2/18/78	×	SWITCH	1 1 1	NEW INTERCOM PHONE SWITCH
1/17/78	*	DIFFER	1 1 1	DIFFERENCES IN NOS/BE FROM 6600 TO CYBER 176 *
1/ 4/78	*	DISSTIP	1 1 1	DISSPLA TECH. INFO. PROGRAMMING SUGGESTIONS *
18/ 3/77	*	DISSPLA	1 1 1	A NEW USER ORIENTED PLOTING PACKAGE
	plototo	okyokykyoto	tojojojojojo Kuojojojo	《古代》中的《《《··································
	***	******	*******	STOLET WHEN INGO
8/16/78	*	BUDGETAR	CONSID	BUDGETARY CONSIDERATION FOR FY 79: 175 CHARGES WILL GO UP BY ABOUT 15%.
8/16/78	*	REVIEW,	SIGN AND	REVIEW, SIGN AND RETURN TAPE INVENTORY LISTINGS BEFORE 21 AUGUST 1978.
8/19/18	*		-ASH MES	0
8/16/78	*	‡	HANGED TI	CHANGED TO AUG 28-30. ALL CLASS MEMBERS TAKE NOTE ++++ FLASH +++
8/16/78	*	** NOTIC	NO 01	** NOTICE TO CONTRACTORS ** CONTRACTOR WORK AREA IN ROOM 110 OF BLDG
8/16/78	*	412 UILL NOT	NOT BE	BE AVAILABLE AFTER 28 AUG 78. THIS WILL BE THE NEW *
8/16/78	*	PCAM AREA.		PLEASE REMOVE ALL LISTINGS OR CARD DECKS STORED THERE.
8/16/78	*			*
	- Contraction of the last	of the land of the land of the land	The same of the sa	

THE FOLLOWING OPTIONS WERE DEFINED BY PLANK.

ATMOS	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NECT EDS	SEOM HOT	XHW	TONE IN THE STATE OF THE STATE	XMX	LBUFA	LBUFB	יי יי ייי	TO TO		ADN	TEI TEI	" Ballan	" adx	NROLPB B B B B B B B B B B B B B B B B B B B	" XLSX	NVARST	ווויסגיזט דוויסגיזט	STORES.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75	a XMS	" 051V	1,078	KEEL	Pull	= SGIDA	FLUXER	DEPOS .	FAIL	STRAIN	WORK	FIREIN .	1 TAN	a 2.1	 . חם
		EQUATION OF STATE -	SOLIDS - NO STRENGTH		5	VOLUME HAD ENERGY PLIXING																															

+
THE FOLLOWING DEFINITIONS OR REDEFINITIONS WERE MADE DURING EXECUTIVE PROCESSING
+
+
+
SYS = 176

176	4	-				4		n	S	F :		-		-	60	18	-	2	αυ	89	11266	2	2886	3928			60		-	21	12	13	15	14	15	16	18	S	-	256	250	5888	2000
								,		u		n		n		"	,	"		u								ы					п		п				н	a			
SYS	VER	NOSBE	PF	ECS	08JL 18	TAPEL 19	ROUTE	DENSHUL	DENSC 18	DENSSTA	LABEL	DATE	CONTROL	CDC	I Bu	73	7	RDEND	CARDL	CARDO	NHEC	NBLKS	NPIC	NP ICHBX	STRAIN	STRESS	DEBUG	FILMER	HEEV	DENAMER	DENAMER	DENAMED	DENHMEB	DENAMEC	DENAMEC	DENAMEC	DEMANEC	DSNAMED	O IREOS	MIN	MIM.	Z. T.	
																			2	29																							

Fin.

98889898898989898989898989898989898989	
6. 1. 80606000000000000000000000000000000000	
A SECTION OF SECTION O	
172846.3146.3146.32 1725.598080808080808 1725.69490808080808080 1725.69490808080808080808080808080808080808080	######################################
1. 2000000000000000000000000000000000000	5.000000000000000000000000000000000000
THE COLD TRATOR SINGLES AND SI	STREF STRESS SUME SUME TERRO TTIME TTIME UREZ

	×		2 2.50000000E-01 5.00000000E-01	5 2.50000000E-01 1.25000000E+00	2	1 2.50000000E-01 2.7500000E+00	2.5000000E-01	7 2.58888888E-81 4.25888888E+88	8 2.58888888E-81 5.88888888E+88	> \d		2 2.58888888E-81 -1.58888888E+38	5 2.50000000E-01 -7.50000000E-01	8 2.5000000E-01 0.	1 2.58888888E-81 7.58888888E-81	4 2.58888888E-81 1.58888888E+88	7 2.50000000E-01 2.2500000E+00	8 2.50000000E-01 3.0000000E+00	3 2.50008080E-01 3.75000000E+00	6 2.50000000E-01 4.50000000E+00	
S AND COORDINATES	×		2.50000000E-01	1.00000000E+00	1.7500000E+00	2.50000000E+00 11	3.25000000E+00 14	4.0000000E+00 17	4.75000000E+00 20	→	98	-1.75000000E+00	-1.00000000E+00	-2.50000000E-01 E	5.0000000000000000000000000000000000000	1.25869688E+88 14	2.00000000E+00 17	2.75999998E+08 28	3.58888888E+88 23	4.2500000E+00 26	5.00000000E+00
MESH INCREMENTS	X	X0- B.	1 2.5000000E-01	4 2.50000000E-01	7 2.50000000E-01	18 2.58888888E-81	13 2.50000000E-01	16 2.5000000E-01	19 2.58888888E-81	J DY	Y8= -2.88888888E+88	1 2.58888888E-81	4 2.50000000E-01	7 2.58888888E-81	18 2.50000000E-01	13 2.50000000E-01	15 2.5000000E-01	19 2.5000000E-01	22 2.50000000E-01	25 2.50000000E-01	28 2.50000000E-01

7.50000000E-01 1.50000000E+00 2.25000000E+00 3.80000000E+00 3.75000000E+00

2.50000000E-01 2.50000000E-01 2.50000000E-01 2.50000000E-01 2.50000000E-01

8 2 2 2 2 3

-1.25000000E+00 -5.00000000E-01 2.50000000E+00 1.75000000E+00 2.50000000E+00 3.25000000E+00 4.0000000E+00

2.50000000E-01 2.50000000E-01 2.50000000E-01 2.50000000E-01 2.50000000E-01 2.50000000E-01 2.50000000E-01

3 6 112 113 118 124 224 224

A Line

```
0F MATERIAL : 5.8888888E+88 Y! = -2.8888888E+88 YZ = -1.88898888E+88
                                                                                                                                                                                                                                                                            72 = 5.8888888E+88
                                                                                                                                                                                                                                                                                                72 = 4.8889898E+88
                                                                                                                                                                                                                                                                                                                                                                                        Y2 = 4.8888888E+88
                                                                                                                                                                     +
GENERATE A RECTANGLE OF MATERIAL 2
X1 = 8. X2 = 5.8888888E+88 Y1 = -1.888888E+88 Y2 = 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         4.526163E+89 ERGS INSERTED AS MATERIAL
                                                                                                                                                                                                          2.856240E+13 ERGS INSERTED AS MATERIAL
                                                                                                                                                                                                                                                                                                                   4.656626E-81 GMS 9.518143E+88 ERGS INSERTED AS MATERIAL
                                                                                                                                                                                                                                                                                                                                                                                                           1.267555E+11 ERGS INSERTED AS MATERIAL
                                               RADIUS - 8.
                                                                                                                                                                                                                                                           +
GENERATE A RECTANGLE OF MATERIAL 3
XI * 8. XZ * 1.8080808E+80 YI * 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         - œ
                                     OF MATERIAL YE =
GENERATING PROBLEM
                                                                                                                                                                                                          6.173233E+82 GMS
                                                                                                                                                                                                                                                                                                                                                                                                           1.118407E+82 GMS
                                                                                                                   9.621128E-82 GMS
                                                                               GENERATE A RECTANGLE
                                   GENERATE A CIRCLE XC = 0.
                DEFAULT WILL BE
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROB
ATMOS
BREF
CODE
COLD
                                                                                                                                                                                                                                                AIR
                                                                                                                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZBLK
```

是是法院

```
INDIVIDUAL MASS SUMS
5.518738E-81 6.173238E+82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     999999999999999999
                   иваивававававававава
                                                                                                                                                             172466ชลชยบชลชลชลชลช
สชลชลชอชลชอชลชลช
                                                                                                                                                                                                                                                                                 17245888888888888888
                                                                                                                                                                                                                                                                                                                                                              17216888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                            ваевраезаварававава
                                                                                                                                                                                                                                                                                                                                                                                                                                                8888888888888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           вавававававававава
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99999999999999999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1726620000000000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           вавевевевевевевевеве
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1722488888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    овававевававававава
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              172848୭୭୭୭୭୭୭୭୭୭୭୭୭୭୭୭
୧୫୫୭୭୭୭୭୭୭୭୭୭୭୭୭୭୭୭
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        овавававававававава
                                                           171363146314631463
                                                                                                 2.8860388888888888 +68
4.888888888888 +68
6.8838888888888 +82
                     6. BBRABBBBBBBBE+BB
                                                             2. BBBBBBBBBBBBBE+BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . BESSESSESSESSES + BE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0000000000000000E+02
1.00000000000000E+01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5.888888888888888 + 88
2.3888888888888 + 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1. 88888888888888E+88
3. 888888888888E+88
                                                                                                                                                                                                   2.88888888888888E+91
2.7888888888888E+81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . BUBBBBBBBBBBBBE +B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTIRE
TTIRES
TTIRES
TTIRES
TTIRES
WOIDS
WO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TERAD
TLC
TREF
```

学社会

H

2. RRBBBBBBBBBBE+BB

1.118487E+82

172140900000000000000

		3E+98	3E +00	3E+00	3E+00	3E-1.1	3E-1	3E-E		35-8	3E-01	36-01	3E+00	35+90	3E+00	3E+00	35+00	3E+88	3E+90	96+36	3E+90	3E+00	3E+88	3E+80	3E+98	3E+68	3E+90	3E+99	3E+98
	>	-1.7500000E+00		-1.25000000E+00	-1.88888888E+88	-7.50000000E-	-5.00000000E-	-2.500000000E-6	.0	2.500000005-0	5.8888888E-8	7.50000000E-0	1.8888888E+8	1.2500000E+00	1.50000000E+0	1.75000000E+00	2.00000000E+00	2.25000000E+00	2.500000000E+00	2.75000000E+00	3.88888888E+88	3.25000000E+00	3.500000000E+00	3.750000000E+00	4.9888888E+88	4.25000000E+69	4.58888888E+98	4.75000000E+00	5.88888888E+88
	70	2.50000000E-01	2.50000000E-01	2.58000000E-01	2.50000000E-01	2.50000000E-01	2.5000000E-01	2.50000000E-01	2.50000000E-01	2.50000000E-01	2.5000000E-01	2.5000000E-01	2.50000000E-01	2.50000000E-01	2.50000000E-01	2.5000000E-01	2.50000000E-01	2.50000000E-01	2.50000000E-01	2.50000000E-01	2.5000000E-01	2.50000000E-01	2.50000000E-01	2.50000000E-01	2.5000000E-01	2.5000000E-01	2.5000000E-01	2.50000000E-01	2.50000000E-01
	AMA	6.01320469E-05	6.01320469E-05	6.01320469E-05	6.01320469E-05	3.85826848E-01	3.85826848E-01	3.85826848E-01	3.85826848E-01		4.36877728E-01	4.36877728E-01	4.36877728E-01	4.35877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	4.36877728E-01	6.01328469E-05	6.01320469E-05	6.01320469E-05	6.01320469E-05
	RHO	1.22500000E-03	1.22500000E-03	1.22500000E-03	1.22500000E-03	7.8600000E+00	7.8600000E+00	7.8600000E+00	7.8600000E+00	8.9000000E+00	8.9000000E+00		8. 98888888E+88	8.9000000E+00	8.9000000E+00	8.9000000E+00	8.9000000E+00	8.9000000E+00		8.9000000E+00	8.9000000E+00	8. SBBBBBBBE +BB	8.9000000E+00	8.9000000000000	8.9000000000000	1.22598000E-03			1.22500000E-03
.258	AIX	2.84483888E+89	2.84488888E+89	2.84458888E+89	2.04400000E+03	1.26816212E+89	1.26815212E+09	1.26816212E+09	1.26816212E+09	1.13335748E+99	1.13335748E+89	1.13335748E+89	1.13335748E+89	1.13335748E+09	1.13335748E+09	1.13335748E+09	1,13335748E+09	1.13335748E+89	1.13335748E+09	1.13335748E+09	1.13335748E+09	1.13335748E+99	1.13335748E+09	1.13335748E+09	1.13335748E+89	2.84488888E+89	2.84483888E+89	2.84488888E+89	2.84488888E+89
DX(1)-	>	3.88888888E+85	. 000000000E+05	3.00000000E+05	3.00000000E+05	3.00000000E+05	S. BBBBBBBBE+85	99999	88888																				
.258		(2)	100	(4)	(14)	143		61	M	60	60	60	69	0.	60	6 3	80	0	60	60	83	60	60	60	80	8	80	60	60
(1)	ם																												
-	. 7	1 09	2 8	3	4	5	9	7 8	8		18 8	111 8	12 8	13 0	14 8	15 8								23 0.					

++

35

学业流

MATERIAL MAP

7.500E-03 1.000E-02 1.250E-02 1.500E-02 2.500E-02 2.500E-02 3.250E-02 3.250E-02 3.250E-02 3.250E-02 3.500E-02 4.250E-02 4.500E-02 4.750E-02 5.000E-02 2.500E-03 5.000E-03 ALTITUDE. METERS 12345678981234567898 1 2345678981234567898 ++++++++++++++0000 ++++++++++++++0000 ++++++++++++++0000 **************C000 ******************** ******* 12345678981234567898 +++++++++++++0000 ******************* ***** ++++++++++++++++++

经验

PROBLEM 1.2 SYSTEM 370 HULL RUN

```
//HULL EXEC HULL,GEND='.V105',FPARN='NOSOURCE,TERM',

// PS1='SYSOUT=H,HOLD=YES',PS2='SYSOUT=H,HOLD=YES',

// FP1='DUNHY',LP1='SYSOUT=H,HOLD=YES',

// HP1='SYSOUT=H,HOLD=YES',HTINE=5,LIBPRE='AF2001.',

// OLDPRE='AF2001.',PP1='SYSOUT=H,HOLD=YES',PTINE='(0,10)'
//AF2001H JOB (AF2001,,10,25), 'HULL RUN', MSGCLASS=H, CLASS=E, // MOTIFY=AF2001
                                                                                                                                                                                                            //HULL.DATA DD DSN=AF2001.HULL.PRCB1P2,DISP=(OLD,KEEP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              //SAIL.INPUT DD DSN=AF2001.CHANG.DATA,DISP=(OLD,KEEP)
//FORT.SYSTERM DD SYSOUT=H,HOLD=YES
                                                                                                                                                                                                                                      DCB=(RECFM=VBS, LRECL=7220, BLKSIZE=7224)
                                                                                                                                                                                                                                                                     //HULL.STATION DD DUMMY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TINES=3 DAPINT=1.E-6
                                                                                                                                                                                                                                                                                                    //HULL.IMPUT DD *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        END OF DATA
                                                                                                                                                                                                                                                                                                                                                              PROBLEM 1.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                      RTSTOP=0.08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CST0P=150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RELER=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REZONE=0
                                                                                                                                                                                                                                                                                                                                                                                               CYCLE=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COLD=1
                                                                                                                                                                                                                                                                                                                                                                                                                          TUPNI
```

						2	7 0		
12.22.49	108	204	1EF 6771	UARNING !	MESSAGE (S)	FOR JOB	AF2001H	ISSUED	
12.22.49	108	204	SHASP373	AF 2001H	STARTED	- INIT	- CLASS	C - SYS 416	4
12.22.53	9	204	AF2001H HULL	HULL	12:22:49	15	0.24	12:22:49 3 0.24 5000	•
12.22.57	100	204	AF 2001H	PLANK	12:22:53	5	0.80	2000	
12.30.10	9	204	AF 2001H	SAIL	12:22:58	432	95.82	2000	
12.32.29	9	204	AF2001H	FORT	12:30:10	138	22.55	8004	
12.32.52	9	204	AF2001H	LKED	12:32:29	23	2.22	2000	
12.43.49	108	0	AF 2001H	09	12:32:53	656	280.41	2000	
12.43.53	108	204	\$HASP395	AF2001H	ENDED				

ē.

GENERATING HULL
TAPE4 SEARCH FOR START CYCLE

CU PENETRATOR

00002250

PROB 1,2000 CYCLE 0 TIME 0.0 BACKSPACING 2 RECORDS TAPE POSITIONED

DISK VERSION

**** OPTIONS SELECTED FOR THIS RUM ****

SHELL 11 DIFFERENCE NETHOD -

UITH & FLUXED HISTORIES/CELL

AND MATERIAL STRENGTH

SOLIDS - NO STRENGTH EQUATION OF STATE -

ATHOSPHERE -

COMSTANT VOLUME AND ENERGY FLUXING REZONE -

NO REZONE - 3000

Partia.

2-D HULL DINENSIONS -

CYLINDRICAL NO RADIATION ROUTINES PARTICLES -GEONETRY -

NO CODE THE FOLLOWING OPTIONS WERE DEFINED BY PLANK. ATHOS BURN CODE BINEN EGS GEON HOT IMAX ISLAND

-444060

HULL START

PROB 1.2000 STARTUP ON CYCLE 0 TIME 0.0

	MATERIAL PROP	ERTIES DEFI	MATERIAL PROPERTIES DEFINED FOR THIS RUN			
MATERIAL	AMBIENT YIELD (YO)	THERMAL YLD/YO	THERMAL SHOFTENING YLD/YO EE/EMELT	WORK HARDENING YIELD PLASTIC STRAIN	UORK HARDENING	STRAIN
	4.690E+09	1.00E+00	0.0	4.6905+09		0.0
		9.00E-01	5.00E-01	5.500E+09	60	3.00E-01
		9.00E-01	5.00E-01			
		0.0	1.00E+00			
	8.000E+08	1.00E+00	0.0	8.000E+08	80	0.0
		9.00E-01	5.00E-01	4.000E+09	60	3.00E-01
		9.00E-01	5.00E-01			
		0.0	1.00E+00			

CU PENETRATOR

BLK/ PROB	1.20000B+00	+00 411333300000000
ATMOS	5.00000D+00	4150000000000000
BREF	0.0	0000000000000000
3000	1.000000+00	4110000000000000
6000	0.00001B-79	00000001000000
CYCLE	0.0	0000000000000000
DINEN	2.00000D+00	4120000000000000
10	1.00000D-08	3A2AF31E00000000
ELC	0.0	0000000000000000
803	6.00000E+00	416000000000000
ETH	0.0	00000000000000000
EXPAND	5.000000-02	3FCCCCCD0000000
FAIL	0.0	0000000000000000
FLUXER	3.00000D+00	41300000000000000
GEOM	2.00000D+00	4120000000000000
IMAX	2.00000D+01	4214000000000000

```
| 13 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
```

Peto.

*

	PROB	***	J 1	=	Ç :	2 -		1	×	30	2	D	20 1	23	*	MOPT																							
INTERNAL EN 8.34290057	1.2000		JTRACE	ITRACE	UMIN.	DAPINI	TZNEW	MINER	XINEU	DEBUG	PRINTE	DCYCST	RTSTOP	CSTOP	MRELER																								
ENERGY E+11	CYCLE		0.0	0.0	1.0000-03	1.0000-04	8.5000+01	5.500D+01	1.500D+01	0.0	0.000D-79	1.0000+20	8.000D-02	1.500D+02	1.000D+01	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0 0
KINETIC 2.50736835	٥			;	03	0 0	9	•	•		-79	+20	02	02	•																								
KINETIC ENERGY 10736835 E+13	TIME 0.0		00000000000000000	0000000000000000	3E41893700000000	3C10C6F7BCDBAFF5	42550000000000000	42370000000000000	41F00000000000000	0000000000000000	00000001000000000	5156BC760000000	401 47AE 172A1 323E	429600068DB8BAC7	41A000010C6F7A0B	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	00000000000000000	0000000000000000	0000000000000000	000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000000000
TOTAL ENERGY 2.59079641 E+13	DI 1.000000E-08		•	•	•			•	•	•	•	0	m	7		•	•••	•	•	•	•	0	•	•		•	•	•	•	•	•	•	•	•		•	•	•	5
ETH 2.59079641																																							

又图达加

E+13

0.0 REL ERROR

								•	TOTAL MASS 6.69416748	55 E+02	MTI 6.69416748	TH E+02	2 0.0		RELMERR	
	MAX	MAX VEL = 0.0		AT 1	•	•										
	MAX CS	0.0 = 83		AT I	0	•										
	MAX	MAX TEMP= 0.0		AT I	•	7										
	MAX P =	P = 0.0		AT I	0	•										
	CELL	CELL SETTING DT, 1	. 1 .	-												
	TOTA	TOTAL TIME FOR THIS PROBLEM	THIS PR	OBLEH	•	O HOURS,		O MIN, O SEC	23							
	11 % I	TINE FOR THIS RUN	0.25	Ŧ		MIN,	0 MIN, 0 SEC 0.250									
	7	۵.	-		>	×	XI	RHO	SRR	228	SRZ	-	Ā	E	w.x	×
	-	1.013E+06	0.0		3.00E+05		2.044E+09	1.225E-03		0.0	0.0	-1.75E+00		-	6.01319E-05	20
	7	1.013E+06	0.0		3.00E+05		446+09	2.044E+09 1.225E-03		0.0	0.0	-1.50E+00		-	6.01319E-05	2
	m •	1.013E+06	0.0	m; r	3.00E+05		2.044E+09	1.225E-03		0.0	0.0	-1.25E+00	2.50E-01		6.013196-05	
4		-2.8645+06			3.00E+05		1.268E+09	1.268E+09 7.860E+00		. 0		-7.50E-01		- ~	3.85826E-01	3 =
7	•	-2.864E+06	0.0		3.00E+05					0.0	0.0	-5.00E-01		7	3.85826E-01	=
	1	-2.864E+06	0.0	3.	3.00E+05		1.268E+09	7.860E+00		0.0	0.0	-2.50E-01		~	3.85826E-01	=
		-2.864E+06	0.0		3.00E+05		1.268E+09			0.0	0.0	2.21E-06		~ 1	3.85826E-0	= :
		-3.5//E+06	0.0	0.0		= =	1335+09	8.900E+00	0.0	0.0	0.0	5.00F-01	2.50F-01	3 M	4.34877F-01	= =
		-3.577E+06				=	1336+09	8.900E+00		0.0	0.0	7.50E-01		10	4.36877E-01	=
		-3.642E+05	0.0	0.0		-	.133E+09			0.0	0.0	1.00E+00		m	4.36877E-01	=
		-2.506E+06	0.0	0.0		=	. 133E+09			0.0	0.0	1.25E+00		m 1	4.36877E-01	= :
	= =	-2.506E+06	0.0	0.0	•	Ξ:	.133E+09	8.900E+00	0.0	0.0	0.0	1.50E+08	2.506-01	m r	4.36877E-01	= =
		-2.506E+06	000			= =	.1336+09					2.00E+00		n 10	4.36877E-01	: =
		-2.506E+06	0.0	0.0		=	. 133E+09			0.0	0.0	2.25E+00	2.50E-01	m	4.36877E-01	=
		-2.506E+06	0.0	0.0	0	=	. 133E+09			0.0	0.0	2.50E+00	2.50E-01	m	4.36877E-01	= :
		-2.506E+06	0.0	0.0		=	. 133E+09			0.0	0.0	2.75E+00	2.75E+00 2.50E-01	m 1	4.36877E-0	= :
		-2.506E+06	0.0	0.0	•	= :	.133E+09	8.900E+00		0.0	0.0	3.00E+00	2.50E-01	· ·	4.36877E-0	= :
		-2.506E+06	0.0	0.0		= :	. 133E+09	8.900E+00		0.0	0.0	3.256+00	2.50E-01	9 1	4.368//E-01	= =
	7 1	-2.306E+06				= :	1775400	8.YOUE+00				3.30E+00		9 17	4.368775-01	
		-2.506E+06				=	1336+09	8.900E+00		0.0	0.0	4.00E+00	2.50E-01	m	4.36877E-0	=
		1.013E+06	0.0	0.0	0	2.0	2.044E+09	1.225E-03		0.0	0.0	4.25E+00	2.50E-01	=	6.01319E-05	2
	56	1.013E+06	0.0	0.0		2.0	2.044E+09	1.225E-03		0.0	0.0	4.50E+00		=	6.01319E-05	2
	22	1.013E+06	0.0	0.0		5.0	2.044E+09			0.0	0.0	4.75E+00		-	6.01319E-05	2
	28	1.013E+06	0.0	0		5.0	2.044E+09	1.225E-03	0.0	0.0	0.0	5.00E+00	2.50E-01	-	6.01319E-05	2
							•		HATE	HATERIAL HAP						

11TUDE 11ERS 106-02 106-02 106-03 106-03 106-03 106-03 106-03 106-03 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-02 106-03 106	#ETERS ##ETERS ## 1.750E-02 ## -1.750E-02 ## -1.500E-02 ## -1.500E-03 ## -1.000E-03 ## -1.000E-02 ## -1.000E-03				101 1 2 101 101 101 101 101 101 101 101
11 T G B B B B B B B B B B B B B B B B B B	ALTITUDE METERS -1.50E-02 -1.50E-02 -1.50E-02 -2.50E-03 2.50E-03 2.50E-03 2.50E-03 2.50E-03 2.50E-03 2.50E-03 2.50E-03 2.50E-03 2.50E-03 3.50E-02 3.50E-02 3.50E-02 4.50E-02 3.50E-02 4.50E-02 5.60E-03			6	.285E - 08 .886E - 08 .338E - 08 .835E - 08 .970E - 08 .111E - 07 .148E - 07 .394E - 08
	2 2 2 4 5 5 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ALTITUDE	750E 250E 500E 500E 500E 500E	1.50E-02 1.50E-02 1.50E-02 2.00E-02 2.50E-02 2.75E-02 3.50E-02 3.50E-02 4.50E-02 4.50E-02 4.50E-02	000000000000000000000000000000000000000

DT 1.416545E-07 TIME 9.99994E-07 12 CYCLE PROB 1.2000

E+01 RELNERON REL ERROR E+13 -1.42459183 E-01 HTH E+02 7.29386330 ETH 2.59091050 E+13 TOTAL MASS E+02 6.69441650 TOTAL ENERGY 2.59087359 KINETIC ENERGY 2.47141646 E+13 6.69442139 E+12 1.19457448 E+

MAX VEL = 3.03113E+05 AT 1

MAX CS = 7.28736E+05 AT I 1 J 8

MAX TEMP= 3.33135E+03 AT I 5 J 10

MAX P = 1.10439E+12 AT I

CELL SETTING DT, I 1 J

O HOURS, O MIN, 19 SEC TOTAL TIME FOR THIS PROBLEM

TINE FOR THIS RUN O HOURS, 0 HIN, 19 SEC MIX FACTOR TOTAL PROBLEM = 2.94E-03 SEC/CELL/CYCLE UNIZ FACTOR SINCE LAST BUMP = 2.79E-03 SEC/CELL/CYCLE

				-			_									
W.				3.36691E-01			2.47529E-0									
			· ·	2 2	_	_	3		_						_	
*	6.01319E-05	6.01320E-05	6.04644E-05	1.08264E-05 2	4.26926E-01	4.74966E-01	2.90952E-01	5.4066E-01	4.95494E-0	4.49570E-0	4.39172E-0	4.37118E-01	4.36911E-01	4.36879E-0	4.36877E-01	
		-	- :		7	7	2	~	m	2	~	7	~	~	3	
DY	2.50E-01	10	.4	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.506-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	.25E+00 2.50E-01	
-	-1.75E+00	-1.25E+00	-1.00E+00	-7.50E-01	-2.50E-01		2.50E-01	5.00E-01	7.50E-01	1.00E+00	1.25E+00	1.50E+00	1.75E+00	2.00E+00	2.25E+00	
SRZ	0.0	0.0	0.0		2.43E+07	3.61E+07	0.0	-1.11E+06	-2.46E+06	-1.08E+06	-5.06E+06	-1.64E+06	-2.95E+05	-4.18E+04	-2.99E+03	
275	0.0	0.0	0.0	.66E+09 -3.10E+09	.74E+09 -2.95E+09	.80E+08 -2.03E+09	0.0	.55E+07 -6.89E+07 -1.11E+06	-4.87E+08	.25E+08 -5.24E+08 -1.08E+06	.20E+08 -5.29E+08 -5.06E+06	.39E+07 -1.29E+08 -1.64E+06	.09E+07 -1.79E+07 -2.95E+05	6.83E+05 -9.84E+05 -4.18E+04	8.900E+00 -7.40E+04 -8.69E+04 -2.99E+03	
SRR	0.0		0.0	1.66E+09	1.74E+09	8.80E+08	0.0	3.55E+07	2.63E+08	3.25E+08	3.20E+08	9.39E+07	1.09E+07	6.83E+05	-7.40E+04	
RHO	1.225E-03			1.243E-03	8.697E+00	9.676E+00	1.0976+01	1.101£+01	1.009E+01	9.159E+00	8.947E+00	.133E+09 8.905E+00	8.901E+00	8.900E+00	8.900E+00	
0.250 XI	2.044E+09	2.0456+09		2.073E+09	.22E+05 4.829E+09 8.697E+00	.58E+05 1.386E+10 9.676E+00	.60E+05 1.797E+10 1.097E+01	.42E+05 1.309E+10 1	4.603E+09	1.353£+09 9	1.138E+09	1.133E+09	1.1336+09	1.133E+09	1.133E+09	
BX(I)=	3.00E+05	3.00E+05	3.00E+05	2.95E+05 2 2.80E+05 1	2.22E+05	1.586+05	1.60E+05	1.426+05	5.29E+04 4	1.19E+04 1	1.44E+03 1	2.17E+02	1.85£+01	2.15E+00	1.35E-01	
0.250 U	0.0 7 005-02	, ,	1.01E-01	1.45E+00 6.32E+01	6.70E+02	1.53E+03	2.81E+03	9.55E+02	1.70€+02	8.87E+01	2.35E+01	4.85E+00	3.31E-01	-3.04E-03	-3.22E-02	
1 x(1)=	1.013E+06	1.0136+06	1.020E+06	1.5446+06	2.619E+11	7.427E+11	1.059E+12	6.554E+11	2.808E+11	4.633E+10	7.615E+09	7.870E+08	1.097E+08	6.078E+06	17 -1.336E+06	
<u>"</u> ¬	- 0	4 10	-	o 0	~	80	۰	2	=	12	13	=	2	91	17 -	

49

Atha.

```
4.36876E-01
2.50E+00 2.50E+01 3 4.36877E-01
2.75E+00 2.50E-01 3 4.36877E-01
3.25E+00 2.50E-01 3 4.36877E-01
3.25E+00 2.50E-01 3 4.36877E-01
3.30E+00 2.50E-01 3 4.36877E-01
4.00E+00 2.50E-01 1.43395E-10 3
4.25E+00 2.50E-01 1 6.01318E-05
4.50E+00 2.50E-01 1 6.01319E-05
5.00E+00 2.50E-01 1 6.01319E-05
  -8.13E+02
-8.93E+02
-2.64E+02
-6.14E+03
-1.48E+03
-1.48E+03
-0.0
0.0
02 1.90E-02 1.133E+09 8.900E+00 -1
02 6.76E-11 1.133E+09 8.900E+00 -1
02 -4.40E-11 1.133E+09 8.900E+00 -1
02 -1.53E-02 1.133E+09 8.900E+00 -1
02 -4.85E-01 1.133E+09 8.900E+00 -2
03 -4.85E-01 1.133E+09 8.900E+00 -2
03 -5.25E-01 2.044E+09 1.225E-03 0
03 -9.36E-12 2.044E+09 1.225E-03 0
03 -7.06E-03 2.044E+09 1.225E-03 0
0.0 2.044E+09 1.225E-03 0
                                                                                                                                           2.506£+06 -4.57£-02

7.2.506£+06 -4.56£-02

7.2.506£+06 -4.92€-02

7.2.506£+06 -4.92€-02

7.2.506£+06 -8.92£-02

7.2.506£+06 -8.92£-02

7.3.51£+06 -2.32£-02

7.1.013£+06 -3.22£-03

7.1.013£+06 -3.49£-12

7.1.013£+06 -3.49£-12
                                                                                                                                      12345678901234567890
                                                                                                                                                                                                                                                                                                                                                                                    BB BBBBBBBBBBBBB
12345678901234567890
```

学生流

*

4.250E-02 4.500E-02 4.750E-02 5.000E-02 5.000E-03 7.500E-03 4.000E-02 10 0000++++++++++++++ 11 0000+++++++++++ 12 0000+++++++++++ 13 0000+++++++++++ 14 0000+++++++++++ 15 0000+++++++++++++ 16 000++++++++++++++ 18 000++++++++++++ 19 000+++++++++++++ 20 000++++++++++++++ 21 000+++++++++++++ 22 000+++++++++++++ 23 000+++++++++++++ 12345678901234567890 XXXXXXXXXXXXXXXXXX 17 000++++++++++++ 24 ************ 12345678901234567890 0 0 0 0

Print.

		1	!				
=======================================	€-06	5	1.445E-07	101	-	100	00
1.286	2E-06	7	1.435E-07	101	S	100	•
1.429	90-34	4	1.413E-07	TOI	v	TON	•
1.571	90-3C	10	1.413E-07	101	5	TOT	0
1.7122E-06	90-3	10	1.419E-07	101	•	TOS	•
1.854	1E-06	5	8.024E-08	101	•	197	0
1.934	3E-06	1	6.565E-08	101	•	TOS	2
2.0000	90-3	1	1.421E-07	101	9	TOP	10

PROB 1.2000 CYCLE 20 TIME 1.99999E-06 DT 1.420903E-07

	E+01		E+00
REL ERROR	6.28	RELNERR	2.91743088
	E+13		E+02
	2.59102626	HTM	6.69467285
GY	E+13		E+02
TOTAL ENER	2.59115209 E+13	TOTAL MASS	6.69469727
ERGY	E+13		
KINETIC EN	2.46099781 E+13		
ERGY	E+12		
INTERNAL EN	1.30154391 E+12		

MAX VEL = 3.34810E+05 AT I 6 J 11

MAX CS = 5.88557E+05 AT I 1 J 7

MAX TEMP= 4.48757E+03 AT I 5 J 11

CELL SETTING DT, I 6 J 10

A PLAN

MAX P = 5.43274E+11 AT I 1 J 12

TOTAL TIME FOR THIS PROBLEM O HOURS, O MIN, 33 SEC

TIME FOR THIS RUN O HOURS, O MIN, 33 SEC UNIX FACTOR TOTAL PROBLEM = 2.99E-03 SEC/CELL/CYCLE WHIZ FACTOR SINCE LAST DUMP = 3.06E-03 SEC/CELL/CYCLE

*						:
z	10	S	2	S	2	
×	-1.75E+00 2.50E-01 1 6.01319E-05	2.50E-01 1 6.01325E-05	6.01373E-05	6.04079E-05	2.50E-01 1 7.38463E-05	
×	-	-	-	-		
E YO	2.50E-(2.50E-(2.50E-01	2.50E-(2.50E-(1
>	-1.75E+00	-1.50E+00	-1.25E+00	-1.00E+00	-7.50E-01	
SRZ	0.0	0.0	0.0	0.0	0.0	
275	0.0	0.0	0.0	0.0	0.0	
SRR	0.0	0.0	0.0	0.0	0.0	
RHO	1.225E-03	1.225E-03	1.225E-03	1.231E-03	1.504E-03	
0.250 XI	2.044E+09	2.044E+09	2 3.00E+05 2.045E+09 1.225E-03 0.	2.048E+09	2.203E+09	
DX(I)= V	3.00E+05	3.00E+05	3.00E+05	3.00E+05	2.98E+05	
0.250 U	0.0	-8.53E-0	6.13E-0	1.66E-0	-5.31E-0	
1 X(I)=	1.013E+06	1.013E+06	1.014E+06	1.020E+06	1.338E+06	
4 7	-	7	2	•	co	

```
3.98244E-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4.36874E-01
       ~
                                                                                                                                                                      m
7.00830E-05
4.18616E-01
4.11611E-01
6.13923E-02
5.12335E-01
5.33292E-01
5.33292E-01
5.33292E-01
4.3686E-01
4.36878E-01
4.36878E-01
4.36878E-01
4.36878E-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4.11852E-10
6.01314E-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6.01316E-05
6.01319E-05
6.01319E-05
   2.50E-01
   2.21E-04
2.21E-04
2.21E-04
2.20E-01
7.50E-01
1.25E+00
2.00E+00
2.00E+00
2.00E+00
2.00E+00
3.25E+00
3.25E+00
4.20E+00
4.50E+00
5.00E+00
5.0
   6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

   -2.31E+07
-2.66E+09
-2.48E+09
-2.84E+09
0.0
                                                                                                                                                                                                                -1.26E+08
-2.86E+08
-5.20E+08
-5.31E+08
-1.67E+08
-1.67E+08
-2.32E+07
-3.28E+06
-1.65E+04
-1.36E+06
-1.36E
   1.24E+09

6.81E+09

1.78E+09

0.0

5.45E+07

1.28E+08

3.00E+08

1.02E+08

1.02E+08

1.46E+07

1.46E+07

1.46E+07

1.46E+05

-2.11E+05

-3.16E+05

-3.16E+
       8.528E+00

8.198E+00

9.364E+00

1.084E+01

1.084E+01

1.084E+01

1.084E+01

1.084E+01

1.084E+01

9.925E+00

8.901E+00

8.901E+00

8.901E+00

8.900E+00

8.900E+00
   7.237E+09
7.627E+09
7.627E+09
9.071E+09
9.071E+09
1.135E+09
1.133E+09
1.134E+09
2.044E+09
       7.11+05
1.06£+05
1.32£+05
1.34£+05
1.36£+05
1.36£+05
1.36£+04
2.52£+04
2.52£+04
1.04£+03
1.78£+03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3.02E+01
4.00E+00
-2.2E-01
-5.27E-01
-6.06E-01
-6.06E-01
-1.1E+00
-1.34E-02
-2.91E-02
       3.12E+02

7.24E+03

7.24E+03

7.24E+03

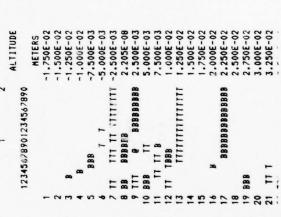
7.26E+03

7.25E+03

7.25E+03

7.35E+01

7.35E+
                                                                                                                            2.631E+11
3.405E+11
3.405E+11
1.048E+11
1.048E+11
1.048E+11
1.048E+11
1.048E+11
1.048E+11
1.048E+11
1.048E+11
1.048E+11
1.05E+08
1.778E+08
1.778E+08
1.778E+08
1.778E+08
1.778E+08
1.005E+06
1.005E+06
1.013E+06
1.013E+06
           3.038£+00
2.473£+11
2.135£+11
```



6.02 6.02 6.02 6.02 6.02 6.02	10b E 92 E - 02 E - 03 E - 03 E - 03 E - 03	E-03 E-02 E-02 E-02 E-02 E-02
3.7500 4.0000 4.25000 5.0000 5.0000	4	2.205E-08 2.500E-03 5.000E-03 7.500E-03 1.500E-02 1.750E-02 2.000E-02 2.250E-02 2.250E-02 3.000E-03
188 811 TB 88 B T T T 1 B I 81 2345678901234567890	8 111111 18	**************************************
28.78.25.25.		10 9 8 11 12 11 10 9 8 11 12 11 10 9 8 10 11 11 11 11 11 11 11 11 11 11 11 11
		54

5555 9 JOL 9999 6666 101 DT 1.409E-07 DT 1.416E-07 DT 1.443E-07 DT 1.482E-07 DT 1.556E-07 4.500E-02 4.500E-02 4.750E-02 5.000E-02 CYCLE 21 TIME 2.1421E-06 DT CYCLE 22 TIME 2.2830E-06 DT CYCLE 23 TIME 2.4246E-06 DT CYCLE 24 TIME 2.5489E-06 DT CYCLE 25 TIME 2.5489E-06 DT CYCLE 25 TIME 2.772E-06 DT IN EOS, HIT MTRY LIMIT CYCLE 26 TIME 2.8727E-06 DT CYCLE 26 TIME 2.8727E-06 DT CYCLE 27 TIME 3.0000E-06 DT 3.500E-02 3.7508-02 4.000E-02 3.250E-02 Z1 UUU+++++++++++++ 22 000++++++++++++ 23 000++++++++++++++ 0000

197 2 101 101 DT 1.273E-07 DT 1.484E-07 IN EOS, HIT NIKY LIMIT

IN EOS, HIT NIKY LIMIT

IN EOS, J = 10 FMTY

==

DT 1.483527E-07 TIME 2.999998E-06 27 CYCLE PROB 1.2000

REL ERROR 6.53926239 RELMERR 2.55264834 E+13 ETH 2.59114538 MTH 6.69492676 E+13 10TAL ENERGY 2.59144066 10TAL MASS 6.69496826 E+13 KINETIC ENERGY 2.45365610 E £+12 1.37784564 ENERGY

E+00

E+02

E+02

E+01

6 J 13 MAX VEL = 3.40383E+05 AT I - 7 5.14824E+05 AT I MAX CS =

5 J 11 7.47932E+03 AT I MAX TEMP=

- 7 3.06779E+11 AT I MAX P =

181m.

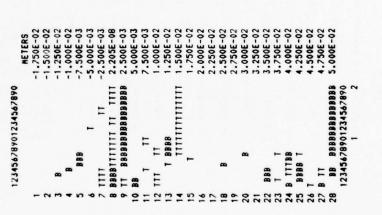
CELL SETTING DT, I 7 J 11

TOTAL TIME FOR THIS PROBLEM O HOURS, O MIM, 45 SEC

TIME FOR THIS RUM O HOURS, O MIN, 45 SEC MINIZER TOTAL PROBLEM = 3.03E-03 SEC/CELL/CYCLE MINIZ FACTOR SINCE LAST DUMP = 3.19E-03 SEC/CELL/CYCLE

	3E-01	5E-01	E-01
×	2,87025	2.06748	4.36873E-01
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N	m
× ×	1.75E+00 2.50E-01 1 6.01319E-05 1.50E+00 2.50E-01 1 6.01327E-05 1.25E+00 2.50E-01 1 6.01606E-05 1.00E+00 2.50E-01 1 6.03881E-05 2.50E-01 2.50E-01 1 1.3319E-04 2.50E-01 2.50E-01 1 1.8442E-05 2 2.87025E-01 2.21E-06 2.50E-01 2 3.42839E-01 2.50E-01 2.50E-01 2 3.42839E-01	00E-01 2.50E-01 3 1.53310E-01 2 2.04748E-01 50E-01 2.50E-01 3 3.90515E-01 00E+00 2.50E-01 3 4.5334E-01 50E+00 2.50E-01 3 4.6334E-01 50E+00 2.50E-01 3 4.63290E-01 75E+00 2.50E-01 3 4.63290E-01 75E+00 2.50E-01 3 4.6329E-01 50E+00 2.50E-01 3 4.34392E-01 50E+00 2.50E-01 3 4.34992E-01 50E+00 2.50E-01 3 4.34993E-01 50E+00 2.50E-01 3 4.34993E-01 50E+00 2.50E-01 3 4.3693E-01 50E+00 2.50E-01 3 4.3683E-01	1 5.96303E-10 3 7 6.01311E-05 1 6.01319E-05 1 6.01319E-05
		m m m m m m m m m m m m m	
ě	1.75E+00 2.50E-01 1.50E+00 2.50E-01 1.25E+00 2.50E-01 1.00E+00 2.50E-01 1.00E+00 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01	5.00E-01 2.50E-01 7.50E-01 2.50E-01 1.00E+00 2.50E-01 1.25E+00 2.50E-01 1.50E+00 2.50E-01 1.50E+00 2.50E-01 2.00E+00 2.50E-01 2.25E+00 2.50E-01 2.75E+00 2.50E-01 3.25E+00 2.50E-01 3.25E+00 2.50E-01 3.50E+00 2.50E-01 3.50E+00 2.50E-01	.00E+00 2.50E-01 .25E+00 2.50E-01 .50E+00 2.50E-01 .75E+00 2.50E-01
-		5.00E-01 7.50E-01 1.05E+00 1.55E+00 1.75E+00 2.25E+00 2.25E+00 3.25E+00 3.25E+00 3.25E+00	4.00E+00 4.25E+00 4.50E+00 5.00E+00
SRZ	0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.32E+09	0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	00000
225	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.09E+09 -2.70E+08		-2.08E+03 -2.29E+04 0.0 0.0 0.0 0.0 0.0 0.0 0.0 ENERGY MAP
æ	0.0 0.0 0.0 0.0 0.0 0.0 1.09E+09	0.0 0.0 7.6660 2.3660 2.3660 2.3660 3.3260 3.3260 3.3260 9.4660 6.6660 -4.1460	-2.08E+03 0.0 0.0 0.0 ENERG
RHO	1,2256-03 1,2256-03 1,2266-03 1,206-03 1,7016-03 1,7016-03 5,8486+00 6,9846+00	5.510E+09 7.335E+00 5.259E+09 7.956E+00 6.758E+09 9.449E+00 6.456E+09 1.006E+01 6.456E+09 1.006E+01 7.33E+09 9.47E+00 7.33E+09 9.91E+00 7.33E+09 8.91E+00 7.33E+09 8.91E+00 7.33E+09 8.90E+00 7.33E+09 8.90E+00	8.900E+00 1.225E-03 1.225E-03 1.225E-03
0.250 XI	3.00E+05 2.044E+09 1.225E+03 0.0 0.0 0.0 3.00E+05 2.044E+09 1.225E+03 0.0 0.0 0.0 0.0 3.00E+05 2.046E+09 1.226E+03 0.0 0.0 0.0 0.0 3.00E+05 2.046E+09 1.226E+03 0.0 0.0 0.0 2.97E+05 2.446E+09 1.701E+03 0.0 0.0 0.0 1.86E+09 2.497E+03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 0 11 4 4 11	.009E+06 8.42E-03 -3.07E-01 1.133E+09 8.900E+00 .013E+06 -1.96E-02 -7.19E-01 2.044E+09 1.225E-03 .013E+06 -3.62E-02 -3.89E-02 2.044E+09 1.225E-03 .013E+06 -2.09E-02 -6.41E-02 2.044E+09 1.225E-03 .013E+06 0.0 0.0 2.044E+09 1.225E-03
bx(1)*d	3.00E+05 3.00E+05 3.00E+05 3.00E+05 3.00E+05 1.29E+05 1.29E+05 1.21E+05	1.02E+05 8.78E+04 8.00E+04 8.00E+04 6.13E+04 2.75E+04 8.13E+03 4.44E+02 9.74E+02 9.74E+02 9.75E+04 1.81E+01 1.81E+01 4.31E-01	.009E+06 8.42E-03 -3.07E-01 .013E+06 -1.96E-02 -7.19E-01 .013E+06 -3.62E-02 -3.89E-02 .013E+06 -2.09E-02 -6.41E-02 .013E+06 0.0
0.250 U	0.0 -2.05E-02 -2.05E-02 6.88E-02 3.81E+03 3.81E+03 7.53E+03 7.53E+03 7.53E+03 7.53E+03 7.53E+03 7.53E+03		8.42E-03 -1.96E-02 -3.62E-02 -2.09E-02 0.0
1 X(1)=	1 1.013E+06 0.0 3.00 2 1.013E+06 -2.05E-02 3.00 3 1.014E+06 -2.05E-02 3.00 5 1.69E+06 6.88E-02 3.00 5 1.69E+06 6.88E+02 3.00 7 4.63E+06 3.81E+02 1.86 8 -1.100E+11 6.64E+03 1.29 8 -1.100E+11 6.64E+03 1.29 14 EOS, HIT MIRY LIMIT IN EOS, HIT MIRY LIMIT	1.082E+06 1.20E+04 0.0 1.39E+04 1.507E+10 1.24E+04 2.76E+11 9.54E+03 2.76E+11 5.73E+03 1.087E+11 5.73E+03 1.087E+11 6.42E+02 3.282E+10 1.67E+02 3.83E+09 6.82E+01 1.775E+09 1.28E+01 3.83E+08 3.58E+01 1.755E+09 1.28E+01 1.759E+07 -3.06E+01 1.759E+07 -3.06E+01 1.759E+07 -3.06E+01	1,009E+06 1,013E+06 1,013E+06 1,013E+06
47	12 × 6 0 4 3 2 4 2 4	222222222222222222222222222222222222222	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

ALTITUDE



XXXXX

ASLA.

12 0000+*********************************

PROB 1.2000 CYCLE 118 TIME 1.59999E-05 DT 1.632141E-07

	E+02		E+00
REL ERROR	E+13 -2.41585907	RELMERR	E+02 6.60553837
	£+13		E+02
ET#	E+13 2.39732324	ž.	E+02 6.28282471
*	£+13		E+02
ENERG		MASS	
TOTAL ENERGY	2,39531668	TOTAL MASS	6.28324463
MERGY	E+13		
KINETIC ENERGY	2.20529458		
ENERGY	E+12		
INTERNAL ENERGY	1.90022314		

MAX VEL = 3.01340E+05 AT I 12 J 27

MAX CS = 4.85176E+05 AT 1 9 J 23

59

A Line

MAX TEMP= 3.79498E+03 AT I 20 J 27

MAX P = 6.11026E+10 AT I 1 J 21

CELL SETTING DT, I 10 J 27

TOTAL TIME FOR THIS PROBLEM O HOURS, 4 MIN, 7 SEC

TIME FOR THIS RUN O HOURS, 4 MIN, 7 SEC

OUNIZ FACIUN IUIAL PROBLEM = 3.74E-03 SEC/CELL/CYCLE OUNIZ FACTOR SINCE LAST DUMP = 4.23E-03 SEC/CELL/CYCLE

	×														3649E-01	3934E-01	9901E-02		
		-05	-05	-05	-05	-05	-05	-05	-05	-05	-05	-04	-04	-04	-05 2 2.7.	-07 2 2.8	-01 2 2.4	-01	-01
	*	1 6.01319	1 6.01322	1 6.01325	1 6.01335E	1 6.01417	1 6.01926E	1 6.04783E	1 6.183196	1 6.69822E	1 8.210435	1 1.177416	1 1.88586	1 1.94034	1 4.57187	1 7.28162E	3 3.53642E	3 4.18690	3 4.34160
	4	-1.75E+00 2.50E-01 1 6.01319E-05	-1.50E+00 2.50E-01 1 6.01322E-05	-1.25E+00 2.50E-01 1 6.01325E-05	-1.00E+00 2.50E-01 1 6.01335E-05	-7.50E-01 2.50E-01 1 6.01417E-05	-5.00E-01 2.50E-01 1 6.01926E-05	-2.50E-01 2.50E-01 1 6.04783E-05	■.21E-06 2.50E-01 1 6.18319E-05	2.50E-01 2.50E-01 1 6.69822E-05	5.00E-01 2.50E-01 1 8.21043E-05	7.50E-01 2.50E-01 1 1.17741E-04	1.00E+00 2.50E-01 1 1.88586E-04	1.25E+00 2.50E-01 1 1.94034E-04	1.50E+00 2.50E-01 1 4.57187E-05 2 2.73649E-01	1,75E+00 2,50E-01 1 7,28162E-07 2 2,83934E-01	2.00E+00 2.50E-01 3 3.53642E-01 2 2.49901E-02	17 1.588E+10 -9.22E+01 4.50E+04 5.700E+09 8.529E+00 2.05E+07 -3.94E+07 2.11E+07 2.25E+00 2.50E-01 3 4.18690E-01	18 3.316E+10 9.84E+02 3.56E+04 3.514E+09 8.845E+00 2.34E+08 -4.82E+08 2.50E+07 2.50E+00 2.50E-01 3 4.34160E-01
	-	-1,75E+0(-1,50£+0(-1.25E+00	-1.00E+00	-7.50E-0	-5.00E-01	-2.50E-01	■.21E-0	2.50E-0	5.00E-01	7.50E-01	1.00E+00	1.25€+00	1.50€+00	1.75€+00	2.00E+00	7 2.25E+00	7 2.50E+00
	SRZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 6	0.0	7 2.116+0	8 2.50E+0
	275	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8 -1.746+0	4.42E+08 -1.53E+09	0.0	7 -3.94E+0	8 -4.82E+0
	SR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.79E+0	4.42E+0	0.0	2.05E+0	2.34E+0
	SH SH	1.225E-03	1.225E-03	1,225E-03	1.225E-03	1.225E-03	1.226E-03	1.232E-03	1.260E-03	1.365E-03	1.673E-03	2.399E-03	3.842E-03	3.953E-03	5.576E+00	5.7846+00	7.713E+00	8.529E+00	8.845E+00
0.250	Ħ	3.00E+05 2.044E+09 1.225E-03 0.0	3.00E+05 2.044E+09 1.225E-03	3.00E+05 2.045E+09 1.225E-03	3.00E+05 2.045E+09 1.225E-03	2.045E+09	3.00E+05 2.046E+09 1.226E-03	3.00E+05 2.052E+09 1.232E-03	2.99E+05 2.087E+09 1.260E-03	2.946+05 2.3486+09 1.3656-03	2.77E+05 3.780E+09 1.673E-03	2.396+05 7.7016+09 2.3996-03	1.916+05 1.2296+10 3.8426-03	3.01E+03 1.36E+05 1.382E+10 3.953E-03	.57E+03 1.16E+05 8.468E+09 5.576E+00 5.79E+08 -1.74E+09	8.824E+09	5.40E+04 7.998E+09 7.713E+00	5.700E+09	3.514E+09
DX(1)=	>	3.00E+05				3.00E+05							1.91E+05	1.36E+05	1.16E+05	1.09E+05		4.50E+04	3.56E+04
0.250	>	0.0	2 1.013E+06 -3.09E-02	3 1.013E+06 -4.35E-02	4 1.0146+06 -1.716-01	5 1.014E+04 -3.43E-01 3.00E+05 2.045E+09 1.225E-03	6 1.015E+06 -7.92E-01	7 1.023E+06 -3.82E+00	8 1.063E+06 -2.92E+01	9 1.2916+06 -2.156+02	2.499€+06 -9.61€+02	11 6.944E+06 -1.71E+03	12 1.684E+07 2.12E+02	3.016+03	173	6.958E+04 3.26E+03 1.09E+05 8.824E+09 5.784E+00	-6.35E+03	-9.226+01	9.84E+02
=		+00	+00	+00	90+3	E+04	90+3	E+06	F+06	90+3	90+3	90+3	E+07	E+07	E+07	E+04	E+05	-	-
0]= 1 X(1)=	•	1 1.013E+06 0.0	1.013	1.013	1.014	1.0.1	1.015	1.023	1.063	1.291	10 2.499	6.944	1.684	13 1.919€+07	14 1.7596+07	15 6.958	16 1.902E+05 -6	1.588	3.316

4.25E+00 2.50E-01 1 4.14071E-05 3 5.49376E-02 19 3.845E+10 7.23E+02 2.50E+04 2.228E+09 9.016E+00 2.57E+08 -5.10E+08 -1.60E+06 2.75E+00 2.50E-01 3 4.42551E-01 20 4.913E+10 1.11E+03 1.31E+04 1.684E+09 9.139E+00 2.55E+08 -5.22E+08 3.16E+05 3.00E+00 2.50E-01 3 4.48614E-01 5.50E+03 1.548E+09 9.231E+00 2.18E+08 -5.22E+08 3.00E+07 3.25E+00 2.50E-01 3 4.53135E-01 2.87E+03 1.427E+09 9.148E+00 2.08E+08 -4.87E+08 1.72E+08 3.50E+00 2.50E-01 3 4.49068E-01 9.51E+03 1.460E+09 9.171E+00 -4.67E+08 4.33E+08 -6.63E+07 3.75E+00 2.50E-01 3 4.50191E-01 4.58E+07 4.00E+00 2.50E-01 3 4.42909E-01 4.50E+00 2.50E-01 1 7.10745E-05 4.75E+00 2.50E-01 1 6.27861E-05 5.00E+00 2.50E-01 1 6.01319E-05 0.0 0:0 0.0 0.0 1.63E+04 1.341E+09 9.023E+00 -1.55E+08 5.13E+08 1.52E+04 1.341E+09 1.120E+00 -6.93E+07 3.57E+08 0.0 0:0 0.0 26 1.317E+06 -1.28E+02 4.65E+03 2.255E+09 1.448E-03 0.0 27 1.078E+06 -4.50E+01 2.20E+03 2.084E+09 1.279E-03 0.0 2.044E+09 1.225E-03 0.0 0:0 6.214E+10 5.68E+02 22 4.598E+10 1.32E+03 25 8.967E+05 7.15E+02 5.041E+10 8.80E+02 24 2.366E+10 2.56E+02 28 1.013E+06 0.0 5 23

61

全种社会

ENERGY MAP

ALTITUDE

12345678901234567890

NETERS

-1.500E-02 -1.750E-02

-1.250E-02 -1.000E-02 -7.500E-03 -2.500E-03 2.205E-08

-5.000E-03

..

5.000E-03	7.500E-03	1.000E-02	1.250E-02	1.500E-02	1.750E-02	2.000E-02	2.250E-02	2.500E-02	2.750E-02	3.000E-02	3.250E-02	3.500E-02	3.7506-02	4.000E-02	4.250E-02	4.500E-02	4.750E-02	5.000E-02	
								_	. 14	13	1.8	181	11 11 11	11 1 11	888888	-	1111	TIT BBBBBB	12345678901234567890
10	=	12	5	14 11111	15 BBBBBT	16 1111 81	17 78	82	61	20	21	22	23 B	24 T BBB	25 8 7	26 B B	27 11111	28 1	1234567
												52							

2.300E-03

ALTITUDE 1 +++++++++++++++++ -1.750E-02 2 +++++++++++++++ -1.500E-02 3 +++++++++++++++++ -1.250E-02 4 +++++++++++++++++ -1.000E-02 5 +++++++++++++++ -7.500E-03 6 +++++++++++++++ -5.000E-03 9 ****** 2.500E-03 10 ++++++++++++++ 5.000E-03 7.500E-03 7 +++++++++++++++++ -2.500E-03 8 +++++++++++++++ 2.205E-08 1.000E-02 13 ++++++++++++++ 1.250E-02 14 +++++++++++++++ 1.500E-02 15 +++++++++++++++ 1.750E-02 16 +0++++++++++++++ 2.000E-02 12345678901234567890 XXXXXX 0 00000 XXXXX XXXX

22 0000++++++++++++ 3.500E-02

0 00xx

23 0000+++******* 3.750E-02

XXXX X O

24 0000++++XXXX+++++++ 4.000E-02

XXXXXXXX X O

25 ++++++*XXXXXXXXXXX 4.250E-02

26 +++++++XXXXXXXXXXX 4.500E-02

x 0000

18 0000++++++++++++ 2.500E-02

XXO0

1/ UUUU+++++++++++ 2.250E-02

OXXX

8

20 0000+++X++++++++ 3.000E-02

X00 0

21 0000++++++++++++ 3.250E-02

O OXXX

8

19 0000++++++++++++ 2.750E-02

XXX00

8

Film.

PROBLEM 1.2 CYBER 176 HULL RUN

BATCH CREATED 88/19/78 TODAY IS 88/21/78
AUTOMRTIC BULLETIN TO BATCH JOBS
+

8/18/78 8/9/78 8/9/78 7/18/78 7/18/78	*				
8/18/78 8/9/76 7/31/78 7/18/76					
87, 9776 773178 771878 771878	*	STATUS	1		AVAILABILITY STATUS OF ALL SYSTEMS
7/31/78 7/18/78 7/14/78	*	MEMMC 1	1	,	CM AND ECS FIELD MANAGEMENT
7/18/78	*	NASTRAN	1	,	INFORMATION FOR USERS OF NASTRAN
7/14/78	*	CUNTACT	1	1	WHO TO CONTACT ABOUT COMPUTER PROBLEMS
	*	MUBS	1	,	SEGNIBES ADDED TO CDC NOS/BE
7/14/78	*	LIMILA		,	THE PLANT OF THE PROPERTY AND MY
00,000			1		MEN OUR BOOKS OF THE STATE OF T
6/23/78	*	LECS.		,	STRUCTURED PROGRAMMING PREPROCESSOR FOR FIN
8//87/9	*	LETTER	1	1	HELL COMPUTER CENTER NEWSLETTER
6/14/78	*	ASPL IB	1	ı	AFIUL COMMON MATH LIBRARIES
5/16/78	*	CLASS	1	,	CLASSES FOR USERS OF AFUL COMPUTER CENTER
5/ 8/78	*	ACCESS	1		HOW TO DBIAIN AN AFML/KAFB COMPUTER ACCOUNT
5/ 4/78	*	CONF 1G	1		SYSTEMS CONFIGURATION
5/ 4/78	*	FXPDITE	1	,	BELLE CLISTOMER SERVICE (EXPEDITOR)
RZ/1/2	*	PPINDTY	1	,	IN CARD PRINKITY CODES
10100	,	0.11		9	NOTH CHOOLING CONTRACTOR OF THE CONTRACTOR OF TH
00.00	. ,	0.01		,	TONDITTED PLOTES BLOCK NINDERO
9/17/4	•	ייוויי			1
4/19/78	*	יאור	1		BHSIC INTRUDUCTION TO KHEB COMPUTER CENTER
4/18/78	*	DUMPS	1	ı	STANDARD PROCEDURES FOR ERROR DUMPS
4/14/78	*	TITLE	1	1	MICROFICHE VISUAL TITLE GENERATION
4711/78	*	REGUEST	1	1	STANDARD PROCEDURES FOR REQUESTING TAPES
47 5778	*	PLOT	1	1	DEVICE INDEPENDENT PLOT SYSTEM -METAPLOT-
3/31/78	*	ACCOUNT	1	1	ACCOUNT CARD FORMAT.
3/38/78	*	PEDIII FG	1	,	LOCAL PILLES FOR CATALOGING FILES
373878	*	BOCKID	1	,	PERMINENT RITE BOCKER PROCEDURES
27872	,	D T L	1		POPULATION ONLY DOCUMENT
27.00.70	£ :	11.100			THE THE TOTAL TH
37.97.68	*	LHBEL	1	ı	HIME LHBELLED IMPE PROCESSING
3/ 3/78	*	FKBB	1	,	SBR STACHTON AIR FRAB
3/ 9/78	*	COMP ILE	1	ı	FTN COMPILER CHANGES AND RELEASES
3/8/78	H	PFSCNET	1 ,	1	INFORMATION ABOUT AFSCNET
31 7/78	*	METAQUE	1	ı	AUTOMATIC DISPOSITION OF META PLOT FILES
2/18/78	*	SWITCH	1	1	NEW INTERCOM PHONE SWITCH
1/17/78	*	DIFFER	1	1	DIFFERENCES IN NOS/BE FROM 6600 TO CYBER 176
17 4/78	*	DISSTIP	1	1	DISSPLA TECH. INFO. PROGRAMMING SUGGESTIONS
18/ 3/77	*	DISSPLA	1	1	A NEW USER ORIENTED PLOTING PACKAGE
	plototok	akokokokokokoko	totototok	*xxxx	******
	platatak	iolololotkakai kadolololokak	*cyc/cyc/c		SYSTEM LIARNINGS
8/16/78	**	BUDGE TAR	Y CONS	IDERA	BUDGETARY CONSIDERATION FOR FY 79: 176 CHARGES WILL GO UP BY ABOUT 15%.
8/16/78	*	REVIEW,	SIGN A	ND RE	REVIEW, SIGN AND RETURN TAPE INVENTORY LISTINGS BEFORE 21 AUGUST 1978.
8/16/78	*	###	LASH M	ESSAG	FLASH MESSAGE +++++ CYBER RECORD MANAGER ANALYSIS CLASS HAS BEEN
8/16/78	*	1 1 1	HANGED	10	UG 28-30. ALL CLASS NEMBERS TAKE NOTE ++++ FLASH +++
87.16778	**	** NOTICE	D 07 3	ONTRA	** NOTICE TO CONTRACTORS ** CONTRACTOR WORK AREA IN ROOM 118 OF BLDG
8/16/78	××	412 UILL	NOT B	E AVA	TILBBLE AFTER 28 AUG 78. THIS WILL BE THE NEW
8716778	**	PCAM ARE	d	FASE	Prom area. Prease REMINE ALL LISTINGS OR CARD DECKS STORED THERE.
8/16/78	*				
	W. Coloron	**********	ACA ACICEM	A CONTRACTOR OF THE PERSON OF	, 有一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个

NOT ENOUGH RESGURCES. I COULD ONLY PROVIDE 9

TAPE4 SEHNO JOR START CYTE

CU PENETRATOR +

8 TIME 8. PROB 1.2000 CYCLE BACKSPACING 2 RECORDS TAPE POSITIONED

DISK VERSION

MONOR OPTIONS SELECTED FOR THIS RUN MONOR

DIFFERENCE METHOD -

SHELL II

AND MATERIAL STRENGTH

WITH 6 FLUXED HISTORIES/CELL

SOLIDS - NO STRENGTH

EQUATION OF STATE -

ATMOSPHERE -

CONSTANT VOLUME AND ENERGY FLUXING REZONE -

NO REZONE CODE -

HULL DIMENSIONS -

2-D GEOMETRY - CYLINDRICAL NO RADIATION ROUTINES PARTICLES -

NO CODE

经验

PLANK.
늄
DEF INED
LERE
OPTIONS
FOLLOWING
뿢

TLAMP.																																											
יאב שבר וואבש ו	ഗ	o	2	9	~ 6	20	90	28	-	1729	122	900	7 80	1599	2001	20 0	o vo	2	2	4	60	15	60	60	-	60	œ.	9	60	0	60 (20 0	20 0	0 6	۳ م	20.0	20.00	, ~	60	3	-	m	2
TOUR ME	• •																										n		•		•	•			•								
יר ייררטייות סי	ROTHOS	CODE	DIMEN	EOS	GEOM	I WAY	ISLAND	JMRX	KMAX	LBUFA	LBUFB	THEFT	TOH IN	PT TA	E	MOP	NHIST	NPLPB	NPP	NROLPB	NSTN	NVARST	RAD	REZONE	STRESS	SURF	SIJ	XIIS	VISC	LONB	GNOBB	CEUUND	NEEL Day	SULPS.	FLUXER	DEPOS	FAIL	STRRIN	JORK	TAM	A IR	3	H

WERE SPECIFIED WHEN EXECUTIVE PROCESSING BFGHN	
MEN EXECUTI	
JERE SPECIFIE	
FOLLOWING OPTIONS 1 1 1 1 1 1 1 1 1	
monetime expense at a car.	AND THE PERSON OF THE PERSON O

Pla

THE FOLLOWING DEFINITIONS OR REDEFINITIONS WERE MADE DURING EXECUTIVE PROCESSING + +

176	4	1	•			. 4		· LO	ı LO	· ~	,	-	-	-	69	16	-	2	80	86	11288	2	80	3828	-	-	80			21	12	13	14	15	16	18	S	
				n		u	ĸ	*		**	18	11	n	11	11	,	11	n		"	u		11		u		,	,,							H			*
SYS	VER	NOSBE	PF	ECS	09JLIB	TAPEL 18	ROUTE	DENSHUL	DENSL 19	DENSSTA	LABEL	DATE	CONTROL	CDC	IBM	3	3	RDEND	CARDL	CARDO	MEC	NBLKS	NPIC	NP ICHBX	STRAIN	STRESS	DEBUG	FILMPR	HLEV	DENAMER	DSNAMEB	DANAMEB	DENAMEC	DENAMEC	DANAMEC	DENAMEC	DENAMED	A IREOS

	ARDENING PLASTIC STRAIN	3.80E-01	3.88E-01	
	WORK HARDENING YIELD PLASTIC	4.698E+09 5.508E+09	8.000E+08 4.000E+09	
71. 9.		6. 5.88E-81 5.88E-81 1.88E+88	9. 5.00E-01 5.00E-01 1.00E+00	
60	MATERIAL PROPERTIES DEFINED FOR THIS RUN MEIENT YIELD THERMAL SHOFTENING (Y0) YLD/Y0 EE/FMELT	1.59E+90 9.80E-81 9.03E-81 6.	1.88E+68 9.88E-91 9.88E-81	
ART 1.2000 STAPTUP ON CYCLE	MATERIAL PRO AMBIENT YIELD (YB)	4.690E+89	9.000E+00	TRA TOR
PLANK START NOT A 555 RECORD PROB 1.2000 9	MATERIAL	~ + +-	m + ++++	CU PENETRATOR

6. BROBBINGBRRBBBE+88 5. BROBBINGBRBBBE+80 2. BROBBINGBRBBBBE+00 2. BROBBINGBRBBBBE+00 1. JOGBRBBARBBBBE+01 2. BROBBINBBBBBBE+81 6. BROBBINBBBBBBE+81 2. BROBBINBBBBBBBE+81

1.20020093000000E+00 5.000003000000E+00 6. 1.000300000000E+09 9.

2.8989998989885+98 1.888589988898885-88

17246630939820898939 88388888888888888888888888888888	1721499999999999999999999999999999999999	1724589848388988888888888888888888888888888	17226499999999999999999999999999999999999	172168988888888888888888888888888888888888	888888888888888888888888888888888888888	17214696969696969696	17.2.458658686888888888888888888888888888888	авивание в в в в в в в в в в в в в в в в в в в	6966654686658486868	88888888888888888888888888888888888888	1717488633888888888	1728488888888888888	1728484848488888888888888888888888888888		and a second	998888988888888888888888888888888888888	968696888888888888888888888888888888888	S8888888888888888888888888888888888888	888888888888888888888888888888888888888	220020000000000000000000000000000000000	. / / 65 / 86 20 20 20 20 20 20 20 20 20 20 20 20 20	9999999999999999	17235888888888888888888888888888888888888	9999999999999999	000000000000000000000000000000000000000	17224838888888888888	20	17225844888888888888888888888888888888888	1724569999999999999	923989888999988888	999999999999999	17284000000000000000000000000000000000000	1721688888888888888888888888888888888888	1/2148688888888888888888888888888888888888	999999999999999999999999999999999999999	вавовавававававава	99999999999999999	888888888888888888888888888888888888888		GARAGE SECRETARIA BARBARA	98 9898 9898989898
2.786866898888888888888888888888888888888	2.8888866888888 +88 8.	2.688886888888888481	6.888888888888888 6.88888888888888888	. 88080888888888		2. Saudadadadaga +ee			9.0	œ.		. 883888888888888	: BOBBRBBBBBBBBE+BB		2 0		9.	ъ.	.00	9.	. Ser agagagagagagagagagagagagagagagagagagag	9.	1.338898988888888E+61	9.	9.	. 8888888888888888888888888888888888888	-1. Bundandnabandna + eb	S BABABABABABABAF + AB	38888888888888			. 6686666666666666	88888888888888888888888888888888888888	Z. HUNDHUNDHUNDHUNDE +UN	 	.00	9.	9.	20.0		Ġ.
50 808 878	7 F T T T T T T T T T T T T T T T T T T		NH 15T	Σ	d Co	200	PTSTOP	9401.05	REZONE	RREF	STABF	STRAIN	STRESS	SULE T	TERRAD	TLC	TREF	TIFE	TTIVE	TTIME	10121	VISC	VREZ	VOIDS	UDRK.	55 5	28	200	72	ALSND	YIELD	PIR	31	TI LI							

### ### ### ### ######################		လ်လော်သံသ်လ်လ်လ်လ်လ်လ်လ်လ်လ်လ်လ်လ်လ	80000000000000000000000000000000000000				
INTERNAL ENERGY KINETIC ENERGY TOTAL ENERGY ETH 1.34280739596090E+11 2.50739591033307E+13 2.59082396429260E+13 2.59082395009E+13 0. TOTAL MSS TOTAL MSS FTH 1.0048 J***** VEL = -1 AT J****** CS = -1 AT J******* CS = -1 AT J******* TOTAL MSS FTH 1.0048 J****** 1.59082396429268E+13 0. 6.69458549226732E+02 0.	PER TERMEDIA STORES TO STORE STO	99999999999999999999999999999999999999	6	5909090909090909 330909090909090 3327435361326142 3327435361326142 332743577777777 32777777777777 32777777777777			
TOTAL MASS HTH 5.69458549226732E+82 6.69458549226732E+82 8.			ENERGY 833387E+13	TOTAL ENERGY 2.59882398429268E+13	ETH 2.590823384 2 9268E+13	6	REL ERROR
VEL .	•			TOTAL MASS 6.69458549226732E+02	MTH 6.69458549226732E+82		RELMERR
• 50	X VEL	~ I AT IMPROME JANA					
	MAX CS .	~ I AT INCHOK JACKON					

	TOTAL	TIME FOR THIS PROBLEM OF THIS AND	5	- A	HIS ON	8 HOURS, 8	MIN, 0 SEC	15	7688/176 TIME.				
	11	FOR THIS RUN	IS RUN		8 HOURS,	8 MIN, 22 S	SEC						
	+ -	1 XCD:	•	.258	DXCI)-	.250							
	, ¬	۵		5	>	×	RHO	SRR	225	SRZ	>	λd	ž
	+												
	-	1.0135+86	_		3.885+		÷		9.	9.	-1.75E+BC	. 50E	1 6.81328E-
	2	1.0135+86	_		3.89E÷	14			9.	0.	-1,50E+80	. 50E	: 6.01320E-
	r	1.0136+86		9.	3.885+	85 2.844E+89	3 1.225E-83	8	.00	ص د	-1,25E+8B	2.50E-01	1 6.01320E-
	4	1.013E+86	_		3.00E+	"			.00	.0	-1,80E+80	. 58E	1 6.01320E-
	S	1.813E+86			3.88E+	-:			.0	.0	-7.50E-01	2.59E-01	2 3.85827E-
	9	1.013E			3.00E+	-:			.0	9.	-5.68E-01	205	2 3.85827E-
	~	1.0135+86		-	3.885+	-:	~	ø.	æ.	. 6	-2.565-01	. S0E	2 3.85927E-
	œ	1.813E			3.80E+	1.2	~	9	.00	.8	.0	SDE	2 3.85827E-
	on	1.8135+86			.0	:	8	9.	.0	9.	2.50E-01	2.50E-01	
	18	1.813E	_		.0	:	æ	.0	.0	.0	5.00E-01	2.5bE-81	3 4.36878E-
7:	=	1.813E		-	.0	-	œ	9.	.0	.0	7.58E-81	2.50E-01	3 4.36878E-
3	12	1.813E+86			.0	1.133E+09	9 8.980E+69	œ.	Θ.	.0	1.885+68	2.50E-01	3 4.36878E-
	13	1.813E	_		6	-		.0	.00	.0	1.25E+88	2.58E-01	3 4.36878E-
	14	1.013E			.00	:	8	в.	.0	9.	1.50E+60	2.58E-01	3 4.36878E-
	5	1.813E			9.	:	æ	9.	.00	G	1.75E+60	2.50E-01	
	16	1.0135+86	_		.0	-	8	9.	.0	9.	2.00E+60	2.50E-01	3 4.36878E-
	17	1.813E+86	_		.0	:	ω.	.0	.0	9.	2.25E+88	2.58E-01	3 4.36878E-
	81	1.013E	_		a,	:		.00	.00	9.	2.58E+88	2.50E-01	3 4.36878E-
	5:	1.813E+86	_	9.	9.	:	œ	9.	9.	9.	2.75E+88	2.50E-01	
	26	1.8135	_		æ.	:	æ	.00	.0	9.	3.09E+00	2.50E-01	3 4.36878E-
	51	1.813E+86	_		.00	Ξ	œ	.0	.0	.0	3.255+88	2.58E-81	3 4.36879E-
	27	1.813E+66			9.	Ξ	8	.0	9.	.0	3.58E+88	2.50E-01	3 4.36878E-
	23	1.813E			9.	=	8	8	.00	θ.	3.75E+88	2.50E-01	3 4.36878E-
	54	1.013E			9.	1.133E+89	9 8.980E+80	9.	9	9.	4.88E+88	2.50E-01	3 4.36878E-
	25	1.813E		.0	9	2.844E+89	9 1.225E-83	9.	9	Θ.	4.25E+88	2.50E-01	1 6.01328E-
	52	1.813E+96			9.	2.844E+09	9 1.225E-03	9.	.0	9,	4.50E+66	2.58E-81	1 6.81328E-1
	25	1.013E+86	_	9.	9.	2.844E+69	9 1.225E-03	.0	0	.0	4.75E+88	2.50E-01	1 6.01320E-
	23	1.0135+86	_		.0	2.844E+89	3 1.225E-03	g)	.00	.8	5.88E+88	2.50E-01	1 6.01320E-
	+												
								Ē	MATERIAL MAP				
	4												

Sta.

.

-1 AT INDION JADIODK

*KOKK TOKKI IH I-

ALTITUDE 1234567898

```
2.59094868871498E+13 -7.32468686745991E-81
                                                                                                                                                            1.415189E-87
                                                                                                     ഗ യ യ യ ന യ യ യ യ യ യ യ
                                                                                                     99999999999
                                                                                                                                                            DT
                                                                                                                                                            TIME 1.893888E-86
                                                                                                     3.2856-08
4.8866-08
6.356-08
8.8356-08
9.916-07
11.116-07
1.3786-07
1.3786-07
1.4946-08
1.4156-07
5.000E-03
7.000E-03
7.000E-03
1.000E-02
1.000E-02
2.000E-02
2.000E-03
3.000E-03
3.000E-03
4.000E-03
4.000E-03
4.000E-03
5.000E-03
5.000E-03
5.000E-03
                                                                                                     1.0000E-08
4.28545-08
1.5599E-07
3.1991E-07
4.1969E-07
5.3072E-07
6.5407E-07
6.5407E-07
9.0596E-07
1.0000E-06
                                                                                                                                                            12
                                                                                        12345678981234567898
                                                                                     +++++++++++++++++++
                                                                                                     Actototototototok
                                                                                                                                                      XUIDIOIOIOIOIOIOI
                                                                                                     908
```

2.59894678294685E+13

KINETIC ENERGY 2.47155181172218E+13

INTERNAL ENERGY 1.19395771224755E+12

*

MAX TEMP-- SJ XM

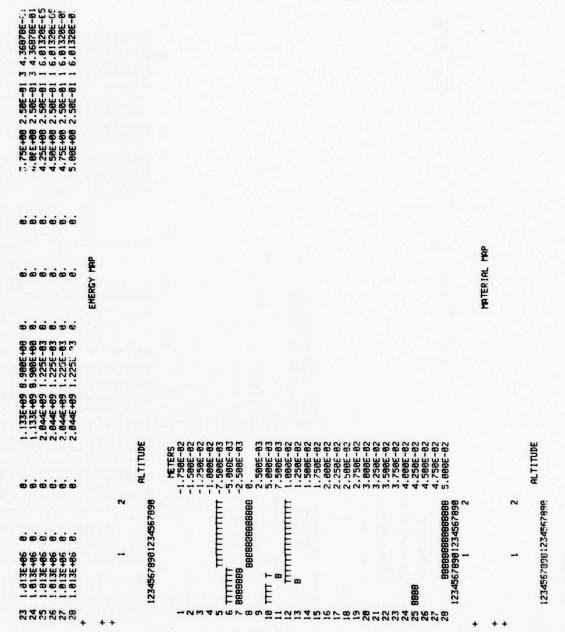
MRX VEL

MAX P .

			-	_	-	_	_	-	-		-		-			400		_				_		_
	Ę						08349E-05 2 3.36617E-01			2.47747E-81														
	Σ						2			m														
	Ę	6.81328E-85	6.81321E-85	6.81321E-05	6.84633E-85	6.89913E-85	1.88349E-85	4.26568E-01	4.74996E-01	2.91542E-01	5.41224E-81	4.95289E-01	4.49471E-01	4.39139E-01	4.37118E-81	4.36910E-01	4.36880E-01	4.36878E-01	4.36878E-01	4.36878E-81	4.36879E-01	4.36878E-81	4.36878E-01	
	Σ	-	-	-	-	-	-	3	2	2	m	m	m	M	m	m	M	m	m	3	3	13	N	
	-	=	=	3	=	3	3	3	=	5	31	3	3	3	3	5	3	3	3	31	31	31	33	
	¥	2.50	2.50E	2.50E	2.50E	2.50E-01	2	20E	2	2.58E	2.58E-01	2.50	2	2.50	2.50	5	_	2	2.50E-	2.50E-	2.58E-81	2	2,505-8	
	>	-1.75E+88	-1.50E+00	-1.25E+88	-1.80E+88	-7.58E-01	-5.00E-01	-2.50E-01	.0	2.50E-81	'n	۲.	-	-	1.506	1.75E	۲,	2	2.50E+08	2.75E+86	3.00E+08	3.25E+88	3	
	SRZ	9.	.00	.0	.0	.0	.0	3	3.48E+87	.0		-2		-5.11E+86	-1.50E+06	-2.23E+85	-8.71E+83	-9.15E+82	2.84E-81	6.19E-10	.0	ď		
	225	.0	.0	9.	.0	.0	-3.18E+89	-2.95E+89	-2.05E+09	.0	-6.71E+87	-4.87E+88	-5.24E+0B	-5.29E+08	-1.24E+98	-1.78E+87	-9.49E+85	-1.05E+05	-3.67E+03	-2.39E+02	-2.25E-07	9.	.00	
	SRR	.0	.0	9.	9.	.0	1.66E+09	1.75€+89	8.83E+08		3.45E+87	2.63E+08	3.25E+08	3.20E+08	9.88E+87	1.85E+87	7.57E+95	6.66E+84	31E+83	54E+82	.0	.0	9.	
	SHO SHO	1.225E-83	1.225E-03	1.225E-03	1.232E-03	1.243E-03	6.858E+80	8.698E+88	9.67E+88	1.899E+81	1.183E+81	1.889E+81	9.157E+88	8.946E+88	8.905E+80	8.991E+80	8.988E+88	8.990E+88	8.900E+00	300E	8.980E+88	8.908E+80	9006	
.258	×	2.844E+89	2.844E+89	2.844E+89	2.847E+89		1.683E+99	-	1.379E+18	1.808E+18	1.308E+10	4.563E+89	1.348F+80	-	1.1336+89	1.133E+89	1.133E+89	1.133E+89	1.133E+89	1.133E+09	1.133E+89	1.133E+89	1.133E+89	
DX(1)•	>	3.88E+85	3.00E+05	3.88E+85	3.88E+85	2.95E+85	2.80E+05	2.22E+85	1.596+05	1.68E+85	1.41E+85	5.25E+84	1.17E+84	1.48E+83	2.87E+82	1.736+91	2.82E+88	1.15E-81	1.82E-82	1.95E-11	.0	9.	.0	
.258	-	.0	9.	9.	9.	1.78E+80	6.61E+81		1.52E+03	2.66E+83					4.51E+00	2.48E-01	-	.,		60	.00	9.	9.	
1 X(I)•	۵.	1.013E+86	1.813E+86	1.013E+86	1.828E+86	1.842E+86	1.542E+86	2.591E+11	7.419E+11	1.058E+12	6.619E+11	2.779E+11	4.515E+10	7.281E+89	7.412E+86	1.052E+03	8.672E+86	1.861E+86	1.857E+86	1.816E+86	1.9135+86	1.813E+86	1.0135+96	
		_			4	10	10		~	200	-					10	10			•	-	_	22	
+ - +	7 +		. •	,	•	٠,	_	,-	_	31	=	-		-	÷	==	=	-	=	51	25	2	2	

A Policies

■ 5.12E-84 SECAELLAYCLE

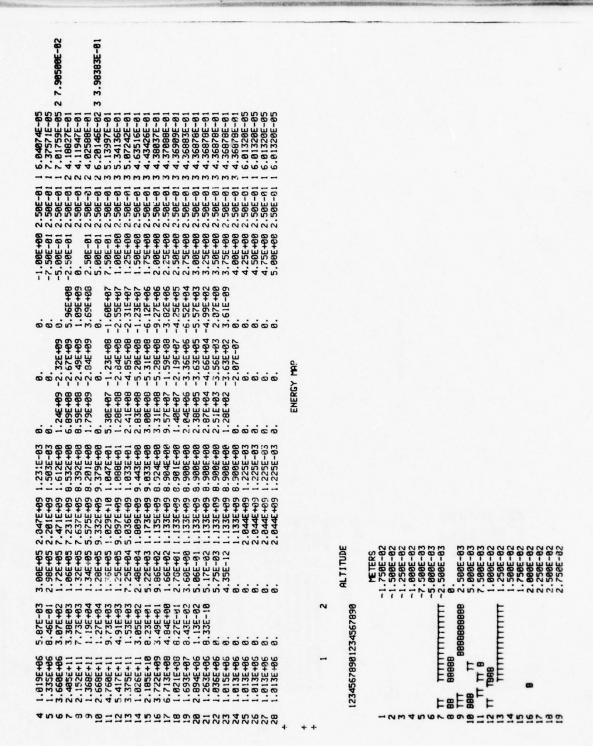


The Late

2.588E-82 2.758E-82 3.888E-82 3.586E-82 4.888E-82 4.256E-82 4.758E-82 4.758E-82 5.888E-82 5.000E-03 13 0000++++++++++++++ 1.250E-02 7.588E-83 1.888E-82 1.500E-02 2.888E-82 2.258E-82 18 0000
29 0000
20 0000
21 0000
22 0000
23 0000
24 0000
25 0000
26 0000
27 0000
28 0000
29 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 00000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 0000
20 00 0000 11 0000+++++++++++++++ 16 0000++++++++++++++++ 14 0000+++++++++++++ 15 0000+++++++++++++ - NW 4 N W 18

Flax.

		4	-88												Σ	សិសិសិ
		REL ERROR 6.79884789198791E+81	RELMERR 5.97716646987911E-08												ž	6.81328E-85 6.81325E-85 6.81373E-85
		79884	RE 97716												Σ	
															ል	2.58E-81 2.58E-81 2.58E-81
		ETH 2.59107333588040E+13	MTH 6.69510663282843E+02												>	-1.75E+88 -1.58E+88 -1.25E+88
		2.59107	6.69518												SRZ	6,6,6,
860000000 00000000000000000000000000000	1,420614E-07	TOTAL ENERGY 2.59124760111820E+13	TOTAL MASS 6.69518663282919E+82						IS 6600 TIME. IS 7600/176 TIME.						225	9.9.9
	1	TOTAL ENERGY 124768111828	TOTAL MASS 5186632829						5 6688						SRR	
		10	9516												٠,	80.00
	2.000000E-96		9.9						5 SEC		- 5.27E-84 SEC/CELL/CYCLE	■ 5.73E-84 SEC/CELL/CYCLE			RHO	2.844E+89 1.225E-83 2.844E+89 1.225E-83 2.844E+89 1.225E-83
1.44E-07 1.43E-07 1.413E-07 1.412E-07 1.419E-07 1.419E-08 6.580E-08	2.0000	KINETIC ENERGY 2.46116495369098E+13							B B B	SEC	CAELL	ZEEL				489 1. 169 1.
44444	E E	C ENE!		=	~	=			HOURS, HOURS, HOURS,	8 MIN, 27 SEC	84 SE	84 SE		.258	×	2.844E+89 2.844E+89 2.844E+89
	•	NET 1 1649		1	~	-,	12		모모모	E	27E-	73E-				85 2 85 2
1.1415E-86 1.2859E-96 1.5787E-86 1.7119E-86 1.8538E-86 1.9342E-96	28	K1 2.461		10		1 5	1.3	18			. 5.			DX(I)-	>	3.80E+85 3.80E+85 3.80E+85
282. 272. 272. 293. 393.	щ			AT I	AT.	FA.	-	5	THIS AND	8 HOURS,	Ē	D.				(4) (4) (4)
	CYCLE	ERGY 226E+12		3.34799E+85 AT	5.89824E+85 AT	4.51326E+83 AT	E+11 P	9 1	115 PRO 0F 1		PROBL	LAST		.250	_	6,6,6,
2425 8 2 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2	1.2888	INTERNAL ENERGY 1.30082647427226E+12			5.8982		5.42896E+11 AT	CELL SETTING DT,	TIME FOR THIS PROBLEM OF THIS AND	FOR THIS RUN	THIS FACTOR TOTAL PROBLEM	FACTOR SINCE LAST DUMP		*CD*	<u> </u>	1.813E+86 1.813E+86 1.913E+86
33333333	**************************************	INTE 1.3008		HRX VEL -	HX CS .	TRX TEMP-	HX P	LL SETT	TOTAL TIM	TIME FOR	12 FACT	WHIZ FACT		-		1.01
	++##+#++	+ +		+ Œ .	_	+ £ 78	+ 🖺	+ 113	+ +P	+Ē	+ 3	+ 를 +	++	+ 🚣 -	٠٠.	+



TELES.

3.886E-82 3.256E-82 3.586E-82 4.886E-82 4.586E-82 4.586E-82 5.886L-82 ALTITUDE 000 0 11 0000++++++++++++ 7.500E-03 12 0000+++++++++++++ 1.808E-82 1.250E-02 1.500E-02 15 0000+++++++++++++ 1.750E-02 13 0000++++++++++++ 12345678901234567890 20 21 22 23 24 25 BBBB 26 27 28

```
8 8 8 8 8
                                                                                                                                                                                                                                                                                                                                                                 Ξ
                                                                                                                                                                                                                                                                                                                                                                                                                            Ξ
                                                                                                                                                                                                                                                                                  55555
                                                                                                                                                                                                                                                                                                                                                                 JDT
                                                                                                                                                                                                                                                                                                                                                                                                                            JDT
                                                                                                                                                                                                                                                                                   99922
                                                                                                                                                                                                                                                                                                                                                                ~
                                                                                                                                                                                                                                                                                  #
                                                                                                                                                                                                                                                                                                                                                                IDT
                                                                                                                                                                                                                                                                                                                                                                                                                            IDT
                                                                                                                                                                                                                                                                                 1.409E-07
1.416E-07
1.443E-07
1.482E-07
1.556E-07
                                                                                                                                                                                                                                                                                                                                                               DT 1.273E-87
                                                                                                                                                                                                                                                                                                                                                                                                                          DT 1.483E-87
                                                                                                                                                                                       3.588E-82
3.758E-82
4.888E-82
4.258E-82
4.588E-82
5.888E-82
16 0000++++++++++++++ 2.888E-82
                                                                  2.500E-92
                                                                                                                                                           3.250E-02
                                      2.259E-82
                                                                                                 2.758E-82
                                                                                                                                                                                                                                                                               CYCLE 21 TIME 2.1421E-86 D
CYCLE 23 TIME 2.2839E-96 D
CYCLE 24 TIME 2.243E-96 D
CYCLE 24 TIME 2.5698E-96 D
CYCLE 25 TIME 2.5698E-96 D
CYCLE 25 TIME 2.7708E-96 D
CYCLE 25 TIME 2.7708E-96 D
CYCLE 25 TIME 2.7708E-96 D
IN EOS, HIT NIRY LIMIT
                                                                                                                                                                                       17 0000 51
                                                                    18 0000 ++++++++++++
                                                                                      0 0000 61
                                                                                                                                                21 0000+++++++++++++++
                                                                                                                              ***********************
                                                                                                                              28
                                                                                                                                                                                                                                                                                                                                   EZE EZEZE EZEE+
```

DT 1.483434E-07

TIME 3.000000E-00

27

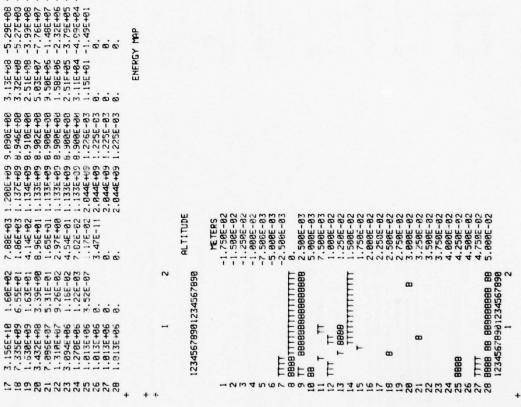
CYCLE

1.2008

INTERNAL ENERGY															43E-81
1752297794776-12 2.45408274515706-13 2.59155562200666-13 2.59119793536576-13 7.066179995594106-49 17522977949776-12 2.45408274515706-13 2.59155562200666-13 2.59119793536576-13 7.066179995594106-49 17522977949776-12 2.45408274515706-13 2.59155562200666-13 2.59119793536576-40														×	. 865
TOTAL ENERGY STAGE		. 8													2 2
TOTAL ENERGY STAGE	1	365												-	899199199199199199199199199
TOTAL ENERGY STAGE	ROR	RR 4236												£	3296 3266 664 88778 88778 2555 2686 2984 8826 8826 8826 8826 8826 8826 8826 88
TOTAL ENERGY STAGE	ER	ELME 8175													5.001 5.001
TOTAL ENERGY STAGE	R.	9821												Σ	wwwwww
INTERNIL ENERGY	6	. 4													
INTERNIL ENERGY														ል	
The Read	:	+82													
The Read	5	1967												>	2566 2566 2566 2566 2566 2566 2566 2566
The Read	₹,	TH 9123													
The Read	3 5	M M M M M M M M M M M M M M M M M M M													449 447 447 447 447 447 447
The Read	5	695												SRZ	
STSTSSB7784973E+12 2.45400257451578E+13 2.591555162388	•	. 6													1 1 1 1
STSTSSB7784973E+12 2.45400257451578E+13 2.591555162388	ū	92						Ĩ,						N	
STSTSSB7784973E+12 2.45400257451578E+13 2.591555162388	> 1	7E+												25	<i>စေစစ္စစ္စစ္တလုတ္လ စစ္</i> ∸နံနံလုံလုံ နွန္း နွဴပက္သည္တေ
### FRENCH ENERGY	NERC	A55 2317						171/0							
INTERNAL ENERGY 37552587784973E+12 2.45480257451578E+13 37552587784973E+12 2.45480257451578E+13 5.8	H	PL 7												æ	24E+ 11E+ 32E+ 35E+ 35E+
INTERNAL ENERGY 37552587784973E+12 2.45480257451578E+13 37552587784973E+12 2.45480257451578E+13 5.8	TOT	T0T												S	
INTERNAL ENERGY 37552587784973E+12 2.45480257451570E+13 37552587784973E+12 2.45480257451570E+13 5.	ŭ	6.6								E	W.				++++++++++++++++++++++++++++++++++++++
INTERNAL ENERGY 37552587784973E+12 2.45408257451578E+ 37552587784973E+12 2.45408257451578E+ EL = 3.48481E+85 RT I 6 J 13 S: = 5.14418E+85 RT I 7 J 11 EMP										5	5,5			돼	22255 22255 23386 33386 1775 3516 4696 4696 4696
INTERNAL ENERGY 37552587784973E+12 2.4 37552587784973E+12 2.4 EL = 3.48481E+85 AT I SE = 5.14418E+85 AT I EMP = 7.52868E+83 AT I SETTING DT, I 7 J II SETTING DT, I 7 J II TIME FOR THIS PROBLEM = AND FORTON TOTAL PROBLEM = AND	. :	3						EEE	C)	ELL	ELL			_	
INTERNAL ENERGY 37552587784973E+12 2.4 37552587784973E+12 2.4 EL = 3.48481E+85 AT I SE = 5.14418E+85 AT I EMP = 7.52868E+83 AT I SETTING DT, I 7 J II SETTING DT, I 7 J II TIME FOR THIS PROBLEM = AND FORTON TOTAL PROBLEM = AND	ERG	5							80	ECA	EC		60		
INTERNAL ENERGY 37552587784973E+12 2.4 37552587784973E+12 2.4 EL = 3.48481E+85 AT I SE = 5.14418E+85 AT I EMP = 7.52868E+83 AT I SETTING DT, I 7 J II SETTING DT, I 7 J II TIME FOR THIS PROBLEM = AND FORTON TOTAL PROBLEM = AND	E C	2	140	_	=			URS, URS,	Α,	84 5	84 5		.25	×	4446.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
INTERNAL ENERGY 37552587784973E+12 2.4 37552587784973E+12 2.4 EL = 3.48481E+85 AT I SE = 5.14418E+85 AT I EMP = 7.52868E+83 AT I SETTING DT, I 7 J II SETTING DT, I 7 J II TIME FOR THIS PROBLEM = AND FORTON TOTAL PROBLEM = AND	ET1	3	_			14			T.	18E-	1E-(
INTERNAL ENERGY 37552587784973E+12 137552587784973E+12 15. * 3.48481E+85 RT I 15. * 5.14418E+85 RT I 15. * 5.14418E+85 RT I 16. * 3.88783E+11 RT I 17. * 119 17. * 119 18. * 3.88783E+11 RT I 18. * 11915 RUN	2	7	9		Ŋ	7		200			6.9		-		
INTERNAL ENERGY 37552587784973E+1 37552587784973E+1 EL = 3.48481E+85 S. = 5.14418E+85 S. = 5.14418E+85 S. = 3.88783E+11 SETTING DT, I FACTOR TOTAL PROB FACTOR TOTAL PRO	•	i	-	-	-	_	Ξ	E	URS	•			X	>	まままな!の!! — BBBBB000000000000000000000000000000
		y	AT B	P	3 A	F	7	THIS	100 E	LEM	חמ		63		8888888 4488888
	5	, in the second	E+0	E+0	9E+6					PROE	LASI		.23	_	97E- 33E- 53E- 1MII 1MII 1MII 20E- 22E- 23E- 25E- 25E- 25E- 25E- 25E- 25E- 25E- 25
	ENER	7	3481	4418	5286	783E	7.	Ē	SCN	TAL	ĘĘ.				60000000000000000000000000000000000000
	4		3.4	5.1	~	. 88	0	FOR	115	1	SI		•		1986 1111 1111 1111 1111 1111 1111 1111
	TER	300			ď		T	Ä	L C	CTOR	CTOR		×	۵	9136 9136 9145 9196 9916 9916 9916 9636 9636 9636 9636
++ + + + + + + + + + + + + + + + + + +	Z.	-	¥	S		٩	L SE	4	F 70		Z FA				111111111111111111111111111111111111111
	+ +		+ Ř	+ K	TRX+	+ X	+ 6.	+ T0T	+ =	EH.	+ = +	++-		٠,	10 w 4 w 0 v B 0 X 0 1 1 2 1 2 1 2 1 2 1

Sin

+ +



3.13420E-38

m

4.46219E-01 4.359158E-01 4.36985E-01 4.36980E-01 4.36982E-01 4.36982E-01 4.36878E-01 6.01320E-05 6.01320E-05

256-98 2.586-61 3 596-89 2.586-81 3 756-89 2.586-81 3 756-89 2.586-81 3 756-89 2.586-81 3 756-89 2.586-81 3 256-89 2.586-81 1 256-89 2.586-81 1 256-89 2.586-81 1 256-89 2.586-81 1 256-89 2.586-81 1

-1 1.4 6 407 -1 1.4 6 407 -1 1.9 6 405 -3 40 6 405 -4 56 6 404 -5 94 6 403 -5 94 6 403 -6 96 60

Partie.

1 TERS
1 TERS
2 TERS
3 TERS
3 TERS
4 TERS
5 TERS
6 TERS
6 TERS
7 TERS
6 TERS
7 2.500E-03 5.000E-03 ALTITUDE 12 0000++++++++++++ 1.808E-82 1.258E-02 14 0000++++++++++++++ 1.500E-02 1.750E-82 2.888E-82 2.258E-82 18 0000+++++++++++++ 2.580E-02 0 0000 91 15 0000+++++++++++++ 12345678981234567898 17 0000+++++++++++ × š B0000 84

经验

19 0000+++++++++++++++++++++++++++++++++	00000
--	-------

=

=

12

```
REL ERROR
```

ETH

DT 1.563792E-07

TIME 4.888888E-86

34

LYCLE

1.2000

PROB

12

JOS 8

IDT

12

JOL

œ

101

12

Ę

101

12

JDT

TOI

IN EGS, J = 10 FORMING DPDTAU
IN EGS, HIT NITRY LINIT

85

188E+13 2.59132226943497E+13 1.61464826957865E+88	RELYER 41E+02 6.69562871840466E+02 9.78005520940008E-08					6600 TIME. 7600/176 TIME.						SZZ SRZ Y DY M XM M XM	0. 01.75E+00 2.50E-01 1 6.01320E-05 0. 01.50E+00 2.50E-01 1 6.01320E-05 0. 01.25E+00 2.50E-01 1 6.01819E-05 0. 01.25E+00 2.50E-01 16.01819E-05	97.58E-81 2.58E-81 1 7.58788E-85 85.88E-81 2.58E-81 1 1.27835E-94	2.58E-81 1 7 2.58E-81 2 3		9. 7.58E-81 2.58E-81 3 9. 1.88E+88 2.58E-81 3	-1.20E+07 1.25E+00 2.50E-01 3 3 -5.89E+07 1.50E+00 2.50E-01 3 4 -5.25E+07 1.75E+00 2.50E-01 3 4	-4.27E+07 2.00E+00 2. -3.20E+07 2.25E+00 2. -2.32E+07 2.50E+00 2.
1.46875933574765E+12 2.44480774644511E+13 2.59168368081988E+13	TOTAL MSS 6.69562871848641E+02	VEL = 3.43426E+85 AT I 7 J I	CS = 3:17879E+83 H I I J	MAX TEMP. 7.86224E+83 AT 1 7 J 13	SETTING DT 1 8 1 12	TIME FOR THIS PROBLEM 8 HOURS, 8 MIN, 11 SEC IS OF THIS 8 HOURS, 8 MIN, 8 SEC IS 8 HOURS, 8 MIN, 11 SEC IS	TIME FOR THIS RUN 8 HOURS, 8 MIN, 33 SEC	WHIZ FACTOR TOTAL PROBLEM = 5.82E-84 SEC/CELL/CYCLE	THIS FACTOR SINCE LAST DUMP - 7.16E-84 SEC/CELL/CYCLE	* * * *	i 1 X(1)* .250 DX(1)* .250	J P U V XI RHO SRR	1 1.013E+86 9. 3.00E+05 2.044E+09 1.225E-03 0. 2 1.013E+06 0. 3.00E+05 2.044E+09 1.225E-03 0. 3 1.014E+06 1.256E-09 3.00E+05 2.045E+09 1.226E-09 3.00E+05 2.045E+09 1.226E-09 3.00E+05 2.045E+09 1.226E-09 3.00E+05 2.045E+09 1.226E-09 3.00E+05 2.045E+09 1.236E-09 3.00E+05 2.045E+09 3.00E+05 2.045E+00 3.00E+05 2.045E+00 3.00E+05 2.045E+00 3.00E+05 2.045E+00 3.00E+00 3.	1.542E+86 2.14E+81 2.94E+85 2.587E+89 1.529E-83 8. 7.713E+86 3.77E+82 2.36E+85 7.899E+89 2.694E-83 8.	6.306E+86 -2.17E+83 1.39E+85 7.181E+89 1.450E+80 -2.00E+89 -8.397E+10 5.53E+83 1.49E+85 7.967E+89 6.931E+80 1.17E+89	+43 1.12E+43 / 549E+49 / 448E+40 1.21E+49 +84 8.33E+84 5.929E+89 5.948E+80 4.86E+88 NG DPDTAU	E05, HI NTRY LIMIT 1 9.918E+83 4.88E+83 8.53E+84 7.143E+89 6.913E+80 8. 2 8.	1.25E+84 6.48E+84 4.825E+89 7.633E+80 9.29E+87 8.59E+83 5.29E+84 3.433E+89 8.375E+80 2.84E+88 6.18E+83 2.5EE+84 2.66ZE+89 9.876E+88 2.44E+88	1.360E+11 3.72E+03 5.34E+04 2.466E+09 9.563E+09 2.23E+08 1.354E+11 1.73E+03 4.04E+04 2.023E+09 9.604E+00 2.43E+08 7.513E+10 5.89E+02 2.08E+04 1.438E+09 9.325E+00 2.74E+08

```
5.34135E-86
                             m
4.45241E-01
4.37569E-01
4.37569E-01
4.37059E-01
4.36923E-01
6.01320E-05
6.01320E-05
6.01320E-05
 m 17 m m m m - - - -
 58E-91
58E-91
58E-91
58E-91
58E-91
58E-91
58E-91
58E-91
2.75E+88
3.08E+88
3.25E+88
3.58E+88
4.25E+88
4.25E+88
4.56E+88
5.88E+88
-1.56E+07
-1.35E+07
-1.35E+07
-5.80E+06
-1.02E+06
-1.32E+05
0.
 2222222
31E+
30E+
29E+
61E+
61E+
05E+
 الم الم الم الم وه و
.96E+88
.14E+88
.21E+88
.88E+87
.38E+87
.18E+86
 0 m m 0 0 4 0 0 0 0
9.670E+00
8.952E+00
8.914E+00
8.931E+00
6.931E+00
1.334E-03
1.225E-03
1.183E+89
1.138E+89
1.133E+89
1.133E+89
1.133E+89
1.978E+39
2.84E+89
2.84E+89
2.84E+89
                                                                                         7506-02
5006-02
5506-02
2506-02
5006-03
6006-03
                                                                                                                                  2.500E-03
7.500E-03
7.500E-03
1.500E-02
1.500E-02
2.500E-02
2.500E-02
2.500E-02
3.500E-02
3.500E-02
4.500E-02
4.500E-02
7.55E+03
2.22E+03
6.68E+02
1.66E+02
3.92E+01
1.62E+01
2.83E+30
2.83E+13
0.78E-12
0
                                                                                                                                                                                                                       1111
1 88888 8888888888888
12345678991234567850
2
                                                                                                                         1.89E+82
7.93E+81
7.93E+81
7.55E+88
1.55E+88
3.74E-81
3.71E-82
3.59E-89
                                                                                 12345678901234567890
2.891E+18
8.216E+49
2.289E+49
5.753E+48
1.447E+68
2.693E+67
1.613E+66
1.813E+96
                                                                                                                                                                                                              8888
```

是法

11 +++++*********** 7.588E-83 12 00000+xxxxxxxxxxxx 1.899E-82 6 ****************** 6 × × XXXX

13 00000+++++++++++++++ 1.250E-02

14 0000+++++++++++++++

15 0000+++++++++++++ 1.759E-02 XX

17 0000+++++++++++++++ 2.250E-02 2.888E-82 16 0000+++++++++++ 0

88

12345678901234557890

```
13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ę
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FOL B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | H EOS, J = 11 FORMING DPDTAU
| H EOS, HIT NITRY LIMIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4.500E-02
4.750E-02
5.000E-02
18 0000+++++++++++++++++ 2.500E-02
                                                                                                           19 0000 +++++++++++++ 2.750E-02
                                                                                                                                                                                                                                                                                    21 0000++++++++++++++ 3.250E-02
                                                                                                                                                                                                                                                                                                                                               22 0000+++++++++++++++ 3.500E-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24 DDDD+++++++++++++ 4.888E-82
                                                                                                                                                                                                  28 0000++++++++++++ 3.888E-82
                                                                                                                                                                                                                                                                                                                                                                                                                                                           23 0000++++++++++++++ 3.750E-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25 +++++++++++++++ 4.250E-02
```

```
RELMERR
9.23638858292532E-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REL ERROR
-6.46638279330878E+01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ETH
2.59143648720469E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MTH
6.69586810529763E+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DT 1.575125E-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 MIN, 13 SEC
8 MIN, 8 SEC IS 6698 TIME.
8 MIN, 13 SEC IS 7680/176 TIME.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.59163030221629E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOTAL MASS 6.69586810530000E+02
                                                                                                                                                                                                                                                                                                              7
                                                                                                                    13
                                                                                                                                                                                                                                                      13
                                                                                                                                                                                                                                                                                                                                                                                       7
                                                                                                                                                                                                                                                      TOS
                                                                                                                                                                                                                                                                                                              TOS
                                                                                                                      Tas
                                                                                                                                                                                                                                                                                                                                                                                       JU
                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TIME 5.000000E-06
                                                                                                                      101
                                                                                                                                                                                                                                                                                                              IDT
                                                                                                                                                                                                                                                                                                                                                                                       101
                                                                                                                                                                                                                                                      TOI
IN EOS, HIT NTRY LIMIT
IN EOS, J = 13 FORMING DPDTRU
IN EOS, J = 13 FORMING DPDTRU
IN EOS, J = 12 FORMING DPDTRU
IN EOS, HIT NTRY LIMIT
IN EOS, J = 12 FORMING DPDTRU
IN EOS, HIT NTRY LIMIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INTERNAL ENERGY KINETIC ENERGY
1.55412492242883E+12 2.436217889997421E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8 HOURS,
8 HOURS,
8 HOURS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 1 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 J 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 J 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MRX VEL - 3.28532E+85 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.98466E+83 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5.86289E+85 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOTAL TIME FOR THIS PROBLEM
OF THIS
AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8.22160E+10 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CELL SETTING DT, I B J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CYCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.2888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MAX TEMP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MRX CS =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MAX P .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROB
```

API in

				N		
	¥		2 1.97631E-01	1.39149E-02	3 1.85521E-04	
	E			N		
	¥	6.01320E-05 6.0133E-05 6.01853E-05 6.07536E-05 6.91936E-05	1.19639E-84 4.81461E-85 3.75887E-81	3.11698E-01 3.11698E-01 3.52235E-01 3.93887E-01 4.37933E-01 4.37933E-01	4.56877E-01 4.49984E-01 4.39806E-01 4.37963E-01 4.37923E-01 6.01249E-05 6.01328E-05 6.01321E-05	
	E		00		mmmmm	
	à	0000000	2.58E-81 2.58E-81 2.58E-81	2.58E-8 2.58E-8 2.58E-8 2.58E-8 2.58E-8 2.58E-8	ก่าก่าก่ากก่ากก่า	
	>	-1.75E+88 -1.50E+88 -1.25E+88 -1.08E+88 -7.50E-81	-2.58E-91 8. 2.58E-91	2.25E+98 2.25E+98 1.25E+98 1.25E+98 1.25E+98 2.25E+98	2.75E+98 3.88E+88 3.25E+88 3.75E+88 4.88E+88 4.25E+88 4.58E+88 4.75E+88	
	SRZ	စ်စ်စ်စ်စ်စ်	8. 8. 4.98E+87	9. 9. 9. 1. 60E+07 -5. 91E+07 -4. 17E+07 -3. 90E+07	-2.39E+07 -1.87E+07 -1.39E+07 -1.30E+07 -1.67E+07 -4.19E+06 0.	
	225	စ်စ်စ်စ်စ်စ်	9. -2.06E+09 -2.13E+09	-2.01E+08 -2.01E+08 -4.74E+08 -5.19E+08	-5.27E+08 -5.30E+08 -5.31E+08 -5.31E+08 -1.58E+08 -1.58E+08 -7.11E+07	ENERGY MAP
	SRR	စ်စ်စ်စ်စ်စ်	1.22E+89 1.85E+89	9.37E+07 2.68E+08 2.77E+08 2.56E+08	2.51E+98 2.71E+98 3.88E+98 3.13E+98 1.02E+98 4.70E+07 6.	ENER
ורעערני	SH2	1.225E-03 1.225E-03 1.226E-03 1.238E-03 1.410E-03 2.158E-03	2.437E-03 4.027E+00 7.641E+00	3.441E+00 6.33E+00 6.33E+00 7.17E+00 8.475E+00 9.25E+00	9.307E+00 9.167E+00 9.922E+00 8.943E+00 8.943E+00 8.903E+00 1.225E-03 1.225E-03	
0 HOURS, 0 MIN, 35 SEC PROBLEM - 6.03E-04 SEC/CELL/CYCLE LAST DUMP - 7.02E-04 SEC/CELL/CYCLE	.258 XI	2.844E+89 2.844E+89 2.845E+89 2.853E+89 2.367E+89 6.885E+89	9.191E+89 7.908E+89 8.093E+89	7.095E-499 7.305E-499 7.307E-499 4.766E-499 3.414E-499 2.179E-499 1.683E-499	1. 429E +69 1. 247E +69 1. 157E +69 1. 137E +69 1. 134E +69 1. 135E +69 2. 844E +69 2. 844E +69	
00RS, 8 M = 6.83E MP = 7.82E	- (1) ×	3.00E+05 3.00E+05 3.00E+05 2.94E+05 2.60E+05	2.86E+85 1.57E+85 1.29E+85	8.53E +04 7.18E +04 6.32E +04 6.03E +04 2.03E +04 2.07E +04 3.10E +04	2.41E+84 1.35E+84 5.64E+83 1.97E+83 2.63E+82 1.58E+82 1.75E-81 4.22E-82	
	.258	8. 3.46E-82 5.36E-81 2.36E+81 2.93E+82	1.12E+83 6.78E+83 3.14E+83	4.32E+83 4.32E+83 1.28E+84 1.24E+84 7.62E+83 3.42E+83 3.42E+83	9.81E+02 3.86E+02 1.51E+02 7.30E+01 3.39E+01 1.16E+01 6.69E+00 6.69E+00	,
TIME FOR THIS RUN 8 H	1 X(I)•				7.281E+18 4.583E+18 6.868E+18 6.868E+89 2.133E+89 4.643E+88 1.813E+86 1.813E+86 1.813E+86	
¥ 22 45 + + + +	+ - + -	+ -~~~~~~~	~ @ 0 9	212245978	22 23 23 25 28 3 2 2 2 3 2 2 3 2 3 2 3 2 3 2 3 3 3 3	
				01		

METERS -1.750E-02 -1.560E-02 -1.250E-02

ALTITUDE

12345678981234567898

1 TETERS
1 TETERS
2 TETERS
3 TETERS
3 TETERS
4 TETERS
4 TETERS
5 TETERS
6 TETERS
7 TETERS
8 TETERS
1.750E-02
5.00E-03
6 TETERS
1.750E-02
6 TETERS
1.750E-03
6 TETERS -1.000E-02 -2.500E-03 0.500E-03 2.500E-03 7.500E-03 1.250E-02 1.500E-02 2.500E-02 2.500E-02 3.500E-02 3.500E-02 4.000E-02 4.000E-02 4.000E-02 5.00E-02 5.00E-02 5.00E-02 5.00E-02 5.00E-02 5.00E-02 5.00E-02 5.00E-02 5.00E-02 ALTITUDE 9 xxx++++++++++++++ 2.500E-03 5.888E-83 E 18 X+XX++++++XX+X 81 12345678981234567898 TITITITI T TTTTT T T BBBBB T B 088B 92

A PLAN

0 11 +++++xxxxxxxxxxxxxxxx 7.588E-83 13 00000++xxxxxxxxxxxxxxx 1.258E-82 14 0000+++xxxxxxxxxx++++ 1.500E-02 16 0000+++++++++++++ 2.888E-82 4.888E-82 15 0000+++++++++++++ 1.758E-82 17 0000+++++++++++++++ 2.250E-02 2.500E-02 19 0000++++++++++++ 2.750E-02 28 0000+++++++++++ 3.888E-82 3.258E-82 3.500E-02 3.758E-82 18 0000+++++++++++ 21 0000+++++++++++++++ 24 0000++++++++++++ š Š 8 Š **8**

25 ***** 4.258E-82

MATERIAL MAP

100

A

```
4
                                                                                                                                                                                                                                                                                                                                                      7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEL
                                                                                                                                                                                                                                  Ę
                                                                                                                                                                                                                                                                                                                                                      F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JOL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 덤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 œ
                                                                                                                                                                                                                                    101
                                                                                                                                                                                                                                                                                                                                                    101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TO!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOI
                                                                                                                                                                                                                               DT 1.588E-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DT 1.133E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DT 9.272E-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DT 1.587E-07
                                                                                                                                                                                                                                                                                                                                                    DT 1.587E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DT 1.595E-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DT 1.683E-87
                                                                                                         IN EOS, HIT NTRY LINIT
4.500E-02
4.750E-02
5.000E-02
    12345678901234567890
    8228
```

THE STATE OF THE S

1.586964E-07 1.586964E-07 1.586964E-07 1.586964E-07 1.58964E-07 1.58964E-13 2.59147183840714E+13 1.21169107822993E+00	MTH 6.69594760040531E+02						6688 TIME. 7680/175 TIME.					SZZ SRZ Y DY M XM M	9. 81.75E+00 2.50E-01 1 6.01320E-05 0. 01.50E+00 2.50E-01 1 6.01336E-05 0. 01.22E+00 2.50E-01 1 6.01762E-05 0. 01.00E+00 2.50E-01 1 6.00772E-05 0. 07.50E-01 2.50E-01 1 6.55059E-05 0. 02.50E-01 2.50E-01 1 3.1413E-04
96 DT 1.586964E TOTAL ENERGY 2.59166879371689E+13	TOTAL MASS 6.69594760040804E+82						15					SRR	.
30E-							N, 16 SEC N, 9 SEC N, 16 SEC		LAWLE	LCYCLE		RHO	1,225E-03 1,225E-03 1,226E-03 1,236E-03 1,334E-03 1,748E-03
TAU TAU 48 TIFE 6.00000 KINETIC ENERGY 2.42920367942712E+13		16	13	14	28		HOURS, 8 MIN, HOURS, 8 MIN, HOURS, 8 MIN,	8 MIN, 38 SEC	■ 6.16E-04 SECACELLAYCLE	FACTOR SINCE LAST DUMP - 6.97E-84 SEC/CELL/CYCLE	.258	×	2.044E-499 2.045E-499 2.045E-499 2.218E-499 4.292E-499 8.245E-499
DPDTAU DPDTAU 48 KINET 2.429283		8 3	7	1 5 1 TF	1 2 3 2	15	8 60 60	R HOURS, 8 M		JMP - 6.97E	DX(I)=	>	3.00E+05 3.00E+05 3.00E+05 2.96E+05 2.76E+05 2.76E+05
tul		3.21396E+05 AT I	5.36761E+85 AT I	4.54867E+83 AT	4.13992E+18 AT	r, r 8 J	THIS PROBLEY OF THIS AND		FACTOR TOTAL PROBLEM	ICE LAST DU	.258	ם	9. 4.43E-02 6.16E-01 1.65E+01 1.61E+02 -2.42E+02
15, HIT N 15, J = N 15, J = N 15, J = N 12, J = N 12, D 1, 280						CELL SETTING DT,	+ + Total Time for this problem OF This And	FOR THIS RUN	FACTOR TOT	FACTOR SIN	1 xCD•	۵	1.813E+96 1.813E+96 1.814E+96 1.826E+96 2.945E+96 8.249E+96
N N N N N N N N N N N N N N N N N N N	+	MAX VEL	MAX CS	MAX TEMP.	MAX P	CELL	+ + TOTAL	114	#H12	H12	++++	٠,	+ 0 W 4 W 0 V

```
1.97163E-83
                                                                                                                                            8.68102E-84
                         2 3.64456E-8
    1 1.19319E-84
1 1.35349E-86 2
2 3.61472E-81
1 2.87852E-86 2
                                                                                                                                          2.99865E-01
2.65658E-01
3.99731E-01
4.17707E-01
4.47642E-01
4.4645E-01
4.46432E-01
4.46432E-01
4.46432E-01
5.95881E-05
6.01328E-05
6.01328E-05
      2.58E-81
2.58E-81
2.58E-81
2.58E-81
                                                                                                                                            2.5.58E-81
2.5.58E-81
2.5.58E-81
2.5.58E-81
2.5.58E-81
2.5.58E-81
3.5.58E-81
      8.
2.58E-81
5.88E-81
7.58E-81
                                                                                                                                          1.29E+09
1.25E+09
1.75E+09
2.26E+09
2.25E+09
2.25E+09
3.36E+09
3.36E+09
3.36E+09
3.46E+09
3.4
      0.
0.
1.51E+88
0.
                                                                                                                                               9.

9.

9.

-2.48E+07

-3.38E+07

-2.79E+07

-1.15E+07

-1.37E+07

-1.37E+07

-1.23E+07

-3.35E+06

-3.35E+06

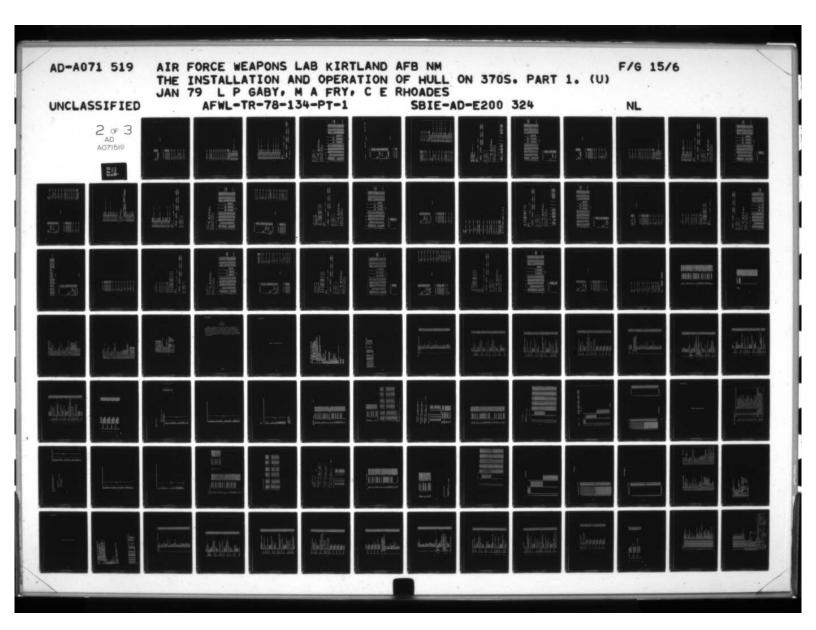
-3.35E+06

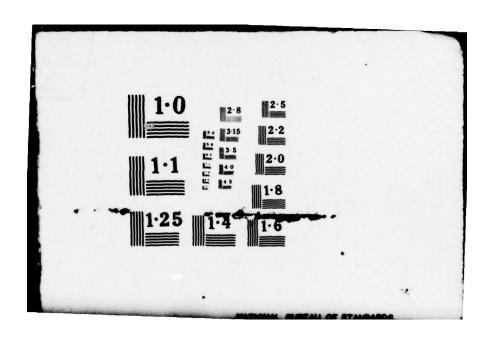
-3.35E+06

-3.35E+06

-3.35E+06
      0.
9.57E+68 -1.99E+09
1.20E+09 -2.11E+09
4.76E+08 -8.30E+08
                                                                                                                                                                                                                    44E +08
83E +08
808E +08
20E +08
33E +08
33E +08
33E +08
33E +08
27E +08
                                                                                                                                                 စေ့ အတွင်္ဂ နှဲ့လုံလုံလုံလုံလုံလုံလုံလုံ အတွေ့တွ
                                                                                                                                               8.11E+04 7.799E+09 6.126E+00 1 7.44E+04 7.096E+09 5.412E+00 1 7.32E+04 5.797E+09 5.412E+00 1 7.32E+04 4.557E+09 7.80E+00 1 3.31E+04 3.074E+09 8.143E+00 1 8.51E+04 2.123E+09 8.259E+00 1 7.70E+04 1.31E+09 9.077E+09 1.22E+09 9.077E+00 1 3.51E+00 9.077E+00 1 3.51E+00 9.077E+00 9.077E+00 1 3.51E+00 9.077E+00 1 3.51E+00 1 3.52E+00 9.077E+00 1 3.51E+00 1 3.52E+00 1 3.
    9.517E+89 2.431E-83
8.112E+89 7.425E+89
7.797E+89 7.364E+88
17.414E+89 3.147E+88
8 8.498E+86 6.92E+83 1.44E+85 9.
9 1.438E+87 4.18E+83 1.38E+85 8.
11 8 -1.974E+18 4.58E+83 1.19E+85 7.
11 8 1.21EE+84 5.88E+83 9.92E+84 7.
11 8 0.5 HIT NTRY LIMIT
12 1.158E+82 9.78E+83 8.11E+84 7.
13 8 1.77E+84 7.44E+84 7.
14 8 1.22E+84 7.32E+84 7.
15 -6.036E+09 1.77E+84 7.32E+84 5.
16 -9.099E+18 3.82E+83 3.18EE+84 2.
17 -9.099E+18 3.82E+83 1.86E+84 2.
18 -5.621E+18 2.53E+83 3.86E+84 2.
18 -5.621E+18 2.53E+83 1.86E+84 1.
25 -3.77E+99 1.78E+83 1.86E+84 1.
26 3.037E+18 1.08E+82 1.36E+84 1.
27 3.77E+99 1.78E+83 1.86E+84 1.
28 2.475E+18 1.08E+82 3.86E+84 1.
28 2.475E+89 8.36E+81 1.96E+83 1.
28 2.878E+89 8.36E+81 1.96E+83 1.
28 1.815E+86 8.54E+81 1.47E+83 1.
28 1.815E+86 8.54E+81 1.47E+83 2.
28 1.815E+86 8.54E+81 1.47E+89 2.
28 1.813E+86 8.94E-88 1.68E+88 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TT 888 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12345678981234567898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               # B B E
      2299975554375698769876
```

(Pital





XX

FOL 8

```
REL ERROR
-2.78606498948739E+01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RELMERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ETH
2.59125780381940E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MTH
6.69552879678766E+82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DT 1.594394E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOTAL ENERGY
2.59138255951539E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOTAL MASS
6.69552879679039E+02
                               15
                                                                                                                                                                  13
                                                                                                                                                                                                                                                                                                                                                                                                                                                          16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16
                                  705
                                                                                                                                                                  FEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JUL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                æ
                                  œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                  œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TIME 7.888888E-86
                                  101
                                                                                                                                                                  TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KINETIC ENERGY
2.42325375877146E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                        DT 1.581E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DT 1.594E-87
                                  DT 1.597E-07
                                                                                                                                                                  DT 1.684E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DT 1.122E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DT 9.188E-88
IN EOS, HIT NTRY LIMIT

IN EOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CYCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INTERNAL ENERGY
1.68128808743937E+12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.2000
```

+ MRX VEL = 3.17889E+85 AT I

		Ę	1.58315E-01 3.03544E-01 6.18227E-04	3 9.84832E-03
		E	0 00	
		¥	6.01320E-05 6.01336E-05 6.01535E-05 6.05140E-05 6.33007E-05 7.4943E-05 1.08659E-04 7.19763E-04 7.19763E-01 7.19763E-01 7.19763E-01 3.4030E-01 3.97631E-01 4.0978E-01 4.0978E-01 4.0978E-01	4.41365E-01 4.41365E-01 4.38587E-01 5.99750E-05 6.10627E-05
		E		
		à		. 50E-0
		>	-1.75E+00 -1.05E+00 -1.05E+00 -1.05E+00 -2.50E+01 -2.50E+01 -2.50E+01 -2.50E+01 -2.50E+00 -2.50E	3.75E+88 2 4.06E+88 2 4.25E+88 2 4.56E+88 2 4.75E+86 2
		SRZ	99. 99. 99. 99. 99. 99. 99. 99. 99. 99.	1.28E+85 7.63E+86 8.
6688 TIME. 7680/176 TIME.		228	စေ့စေ့စုစုစုစုခုံ ကိုစေ့စာ့လုံးနှံလုံလုံသုံနှံလုံး	-5.31E+08 -5.33E+08 -5.27E+08 0.
IS IS		SRR	00.00 00	2.385+08 2.495+08 3.145+08 3.325+08 0.
HIN, 19 SEC HIN, 19 SEC HIN, 19 SEC	רויכעמרנ	RHO	1.225E-83 1.225E-83 1.225E-83 1.225E-83 1.227E-83 2.296E-83 2.296E-83 2.296E-80 2.346E-80 2.492E-80 3.27E+80 3.27E+80 3.27E+80 3.27E+80 3.27E+80 3.27E+80 3.27E+80 8.18E-80 8.18E-80 8.29E-80 8.29E-80 8.29E-80 8.29E-80 8.29E-80 8.29E-80	8.9566.409 8.9916.400 8.9356.400 2.017601 1.244603
14 13 13 HOURS, 8 H	2 2 2	. 258 XI		1.153E+89 1.153E+89 1.144E+89 2.856E+89
	8 HOURS, 8 М LEM = 6.29E DUMP = 7.87E	- CI >	3.88E-65 3.88E-65 3.88E-65 3.88E-65 2.98E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-65 1.35E-64 1.3	9.14E+83 8.36E+83 5.67E+83 5.36E+83 7.86E+81
5.52316E+05 AT I 4.49931E+03 AT .58097E+18 AT I G DT, I B J II FOR THIS PROBLEM AND	8 3	. 25 8 U	9. 15E-02 4. 94E-02 4. 94E-03 9. 15E-08 1. 15E-08 1. 15E-08 1. 14E-08 1. 14E-08 4. 81E-03 1. 14E-08 4. 81E-03 1. 15E-03 1. 15E-03	2.97E+92 2.97E+92 1.29E+92 1.62E+92 1.59E+99
	FOR THIS RUN FACTOR TOTAL FACTOR SINCE	XCD.	1.013E+06 1.013E+06 1.02E+06 1.102E+06 1.103E+06 1.103E+06 1.017E+06 1.017E+10 9.610E+06 1.017E+10 9.610E+06 1.017E+10 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.	1.478E+18 5.571E+89 1.821E+86 1.834E+86
3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	¥ 1 1	-		2823232
+	+-+3+3++	++-+	99	

13 00000000 14 00000000 15 00000000 16 000000000 17 00000000000 18 000000000000000000000000000000000000		o	σ ω ω	ω ω	
1		101	4 4		
1		1.578E-07	1.585E-07	9.323E-08	
13 000000000000000000000000000000000000	00000	12345678991234567899 12345678991234567899 EGS, HIT NTRY LINIT EGS, HIT NTRY LINIT CYCLE 56 TIME 7,1594E-86 EGS, HIT NTRY LIMIT	CYCLE 57 TIME 7.3173E-96 E05, HIT NTRY LIMIT E05, HIT NTRY LIMIT E05, J = 13 FORFING DPDTRU E05, HIT NTRY LIMIT CYCLE 58 TIME 7.4754E-96 E05, HIT NTRY LIMIT CYCLE 59 TIME 7.6339E-96 E05, J = 13 FORFING DPDTRU E05, J = 13 FORFING DEDTRU E05, HIT NTRY LIMIT E05, HIT NTRY LIMIT E05, HIT NTRY LIMIT	EGS, HIT NTRY LIMIT EGS, J = 13 FORMING DPDTAU ECS, J = 13 FORMING DPDTAU EGS, HIT NTRY LIMIT CYCLE EGS, HIT NTRY LIMIT CYCLE EGS, HIT NTRY LIMIT CYCLE EGS, HIT NTRY LIMIT EGS, HIT NTRY LIMIT EGS, HIT NTRY LIMIT EGS, HIT NTRY LIMIT	
	-1.000E-02 				
101	400000 e = X			17 0000++++ 0000 18 0000+++ 19 0000+++ 28 0000+++	

Tat 8

12

JOT

æ

17

Tas

8

12

TOS

12

FOL 8

17

FOL 8

		42E+01	76E-87												E	E-95 -95 -95 -95
		REL ERROR -7.17340307985742E+01	RELMERR 1.35868576458976E-87												¥	6.01320E-05 16.01333E-05 16.01524E-05 16.03674E-05
		-7.173	1.3586												74	2.58E-81 2.58E-81 2.58E-81 2.58E-81
		ETH 2.59066087813876E+13	MTH 6.69432388357982E+82												>	-1.75E+00 2 -1.50E+00 2 -1.25E+00 2 -1.00E+00 2
		2.59866	6.69432												SRZ	6666
<u> </u>	DT 1.601803E-07	TOTAL ENERGY 2.59059978633830E+13	SS 8266E+82						IS 6680 TIME. IS 7688/176 TIME.						225	စ်စ်စ်စ်
B TOT	1 10	TOTAL ENERGY	TOTAL MASS 6.69432388358266E+82						15 6688 15 7688						SRR	6 6 6 6
101	9.888888E-86		6.69						4, 22 SEC 4, 8 SEC 4, 22 SEC		CYCLE	CYCLE			SH2	.225E-03 .225E-03 .225E-03 .236E-03
DT 1.682E-87	TIME 8.888	KINETIC ENERGY 2.41767714593131E+13							RS. 8 MIN.	8 MIN, 44 SEC	- 6.36E-84 SECAELLAYCLE	4 SECACELI		.258	×	3.00E+05 2.044E+09 1.225E-03 3.00E+05 2.044E+09 1.225E-03 3.00E+05 2.044E+09 1.225E-03 3.00E+05 2.047E+09 1.230E-03
4	Ē	711C		19	4	J 18	17		HOURS, HOURS,	H.	3E-04	€-9v		i	^	2222
LIMIT ORMING DPDTRU LIMIT TIME 8.0000E-06 LIMIT CORMING DPDTRU	63	KINE 2.4176		r 1 8 J	11 13	8	1 2 J	21	000	8 HOURS, 8		JFP = 6.9		DX(I)-	>	
NTRY LIMIT 15 FORMING DPDTRU NTRY LIMIT 62 TIME 8.0908E- NTRY LIMIT 13 FORMING DPDTRU	CYCLE	ERGY 992E+12		3.12918E+85 AT I	5.65957E+85 AT I	4.45281E+83 AT	3.52901E+10 AT I	1 8 1	HIS PROBLEI OF THIS AND		L PROBLER	E LAST DU		.250	_	8. 2.91E-82 3.24E-81
	1.2888	INTERNAL ENERGY 1.72922648486992E+12						CELL SETTING DT, 1	+ TOTAL TIME FOR THIS PROBLEM OF THIS AND	TIME FOR THIS RUN	HIZ FACTOR TOTAL PROBLEM	FACTOR SINCE LAST DUMP . 6.99E-84 SEC/CELL/CYCLE		*CD*	۵	1.813E+86 1.813E+86 1.813E+96 1.819E+86
IN EOS, HI IN EOS, HI IN EOS, HI CYCLE IN EOS, HI IN EOS, HI IN EOS, H ++ Appropriation	+ + 908 + +			MAX VEL	HAX CS	HAX TEMP.	HOX P	CELL SE	+ TOTAL T	TIME FO	HIZ FR	H12 FR	++	- +•	٠-,	- 0 w 4
						10	2									

```
1.95687E-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2.38867E-82
                                                                                                                                                                  2 3.19631E-01
                                                                                                                                                                                                                         80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               m
                                                                                                                                                                                                                         NN
6.19609E-05
6.8959E-05
1.41448E-04
1.37692E-05
3.6275E-01
2.10592E-01
2.27839E-01
3.3756E-01
4.3271E-01
4.3271E-01
4.3271E-01
4.3271E-01
4.3271E-01
4.3271E-01
5.3759E-01
4.3255E-01
5.776E-05
6.01578E-05
6.01578E-05
6.01578E-05
6.01578E-05
6.01578E-05
6.01578E-05
6.01578E-05
6.01578E-05
6.01578E-05
         7.58E-91
2.58E-91
2.58E-91
1.28E-88
1.28E-89
2.58E-89
2.58E-89
2.58E-89
3.58E-89
3.58E-89
3.58E-89
3.58E-89
4.55E-89
4.55E-89
4.55E-89
5.75E-89
5.75E-89
5.75E-89
6.75E-89
6.7
   86E +89
88E +89
82E +89
                                                                                                                                                                                                                                                                                                                                                              47E +08
92E +08
17E +08
23E +08
72E +08
85E +08
85E +08
13E +08
81E +08
16E +08
      စစ္စစ္စ−ုက်က်စ္စစ္စယ္လ်လုံလုံနဲ 4 လုံယယ်လုံစုစ္စ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ENERGY
                                                                                                                                                                  9.85E+08
1.09E+09
9.07E+09
9.07E+09
2.11E+08
2.18E+08
4.14E+08
1.35E+08
1.78E+08
1.78E+08
3.02E+08
      1.262E-03
1.464E-03
2.862E-03
2.862E-03
2.16E-03
2.136E-00
1.825E-00
5.149E-00
8.975E-00
8.975E-
      2.084E+89
9.221E+89
1.861E+189
1.861E+189
1.30E+89
7.728E+89
6.297E+89
1.76E+89
1.76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7506-02
5006-02
5006-02
2506-02
5006-03
5006-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .589E-93
.898E-93
.589E-92
.586E-92
.758E-92
.758E-92
.758E-92
.758E-92
   2.99E + 695
2.69E + 695
2.25E + 695
1.15F + 695
1.16E 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ALTITUDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 B
      4.32E+00
1.16E+01
1.16E+03
2.34E+03
2.47E+03
2.47E+03
3.16E+03
1.16E+03
1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12345678991234567898
   . 063E +06
. 434E +06
. 464E +06
. 798E +06
. 982E +07
. 844E +06
. 243E + 18
. 732E +64
                                                                                                                                        1.092E+97
9.44-96
1.243E+18
4.732E+84
9.953E+83
9.97E+18
7.375E+18
7.375E+18
7.532E+18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ---
```

A CONTRACTOR OF THE PARTY OF TH

104

经验

0 00 14 00000++X++++++++++++ 1.500E-82

×

```
TOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IN EOS, HIT NIRY LIMIT
IN EOS, J = 14 FORMING DPDTAU
IN EOS, J = 14 FORMING DPDTAU
IN EOS, J = 13 FORMING DPDTAU
IN EOS, HIT NIRY LIMIT
IN EOS, HIT NIRY LIMIT
IN EOS, HIT NIRY LIMIT
IN EOS, J = 13 FORMING DPDTAU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4.588E-82
4.758E-82
5.883E-82
00
16 0000+++xxxxxxxxxxxxxx 2.888E-82
                                                                 17 0000+/+xxxxxxxxxxx 2.250E-82
                                                                                                                                   18 0000+++XX++++++++++ 2.588E-82
                                                                                                                                                                         28 0000++++++++++++ 3.808E-82
                                                                                                                                                                                                                                                          21 0000++++++++++++++ 3.250E-02
                                                                                                                                                                                                                                                                                               22 0000+++++++++++++ 3.500E-82
                                                                                                                                                                                                                                                                                                                                                  23 0000++++++++++++ 3.750E-02
                                                                                                                                                                                                                                                                                                                                                                               24 0000++++++++++++++ 4.888E-82
                                                                                                                                                                                                                                                                                                                                                                                                                                 4.250E-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25 *****
                                       OXOO
                                                                                                         š
```

15 0000+++xxxxxxxxxxxx 1.758E-82

```
-1.48702738729686E+02
                                                                                                                                                                                                                                                                                                                                                                                                                                           RELMERR
5.43604051817681E-88
                                                                                                                                                                                                                                                                                                                                                                                                   ETH
2.58970040760514E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                             МТН
6.69233282982982E+82
                                                                                                                                                                                                                                                                                                                                            DT 1.695726E-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8 MIN, 24 SEC
8 MIN, 8 SEC IS 6688 TIME.
8 MIN, 24 SEC IS 7680/176 TIME.
                                                                                                                                                                                                                                                                                                                                                                                                   TOTAL ENERGY
2.58925422929430E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                             T0TAL MASS
6.69233282903382E+02
                                  8
1
1
8
1
8
                                                                                                                                                  18
                                                                                                                                                                                                            19
                                                                                                                                                                                                                                                      13
                                 100
                                                                                                                                                  JOY
                                                                                                                                                                                                           FE
                                                                                                                                                                                                                                                     JDT
                                                                                                                                                                                                                                                      σ
                                    80 80 80
                                                                                                                                                   8
                                                                                                                                                                                                            6
                                                                                                                                                                                                                                                                                                                                          TIME 9.000000E-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WHIZ FACTOR TOTAL PROBLEM - 6.40E-04 SEC/CELL/CYCLE
                                 555
                                                                                                                                                   101
                                                                                                                                                                                                                                                      TOI
                                                                                                                                                                                                            101
                                                                                                                                                                                                                                                                                                                                                                                                   KINETIC ENERGY
2.41187602679320E+13
                                 DT 1.596E-87
DT 1.595E-07
DT 1.599E-07
                                                                                                                                                                                                                                                     DT 1.686E-07
                                                                                                                                                   DT 1.115E-07
                                                                                                                                                                                                            DT 9.124E-88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8 HOURS, 8 MIN, 46 SEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8 J 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 1 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 J 18
IN EOS, HIT NTRY LINIT
IN EOS, HIT NTRY LINIT
CYCLE 64 TIME 8.3188E-86 DT
CYCLE 65 TIME 8.4779E-86 DT
CYCLE 66 TIME 8.5378-86 DT
CYCLE 66 TIME 8.5378-86 DT
IN EOS, HIT NTRY LINIT
IN EOS, HIT NTRY LINIT
IN EOS, HIT NTRY LINIT
IN EOS, J = 12 FORMING DPDTAU
CYCLE 67 TIME 8.2973E-86 DT
IN EOS, HIT NTRY LINIT
CYCLE 69 TIME 9.9888E-96 DT
CYCLE 69 TIME 9.9808E-96 DT
                                                                                                                                                                                                                                                                                                                                            69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4.86881E+83 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                * ** YEL = 3.10555E+05 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CELL SETTING DT, 1 9 J 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5.59930E+05 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOTAL TIME FOR THIS PROBLEM OF THIS AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MAX P = 7.86898E+18 AT I
                                                                                                                                                                                                                                                                                                                                            CYCLE
                                                                                                                                                                                                                                                                                                                                                                                                   INTERNAL ENERGY
1.77378202501109E+12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TIME FOR THIS RUN
                                                                                                                                                                                                                                                                                                                                            1.2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MAX TEMP.
                                                                                                                                                                                                                                                                                                                  ADIDIDIDIDIDIDIDIDIDIDIDIDIDIDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - SO XKI
                                                                                                                                                                                                                                                                                                                                            PROB
                                                                                                                                                                                                                                                                                                                                                                                            106
```

WHIZ FACTOR SINCE LAST DUMP - 6.67E-84 SEC/CELL/CYCLE

		E-91 E-92			
	¥	2 1.23382E-01 2 2.51823E-01 2 8.88273E-05 3 2.79669E-02			
	E	N NN M			
	¥	6.01320E-05 6.01330E-05 6.01330E-05 6.01544E-05 6.11544E-05 7.91669E-04 1.54969E-04 1.54969E-04 1.54969E-01 2.3263E-01 2.3263E-01 3.99479E-01 4.47095E-01 4.47095E-01 4.47095E-01 4.5516E-01 4.5516E-01 4.5516E-01 4.5526E-01 4.5526E-01 4.5526E-01 6.38446E-05 6.38446E-05 6.08171E-05			
	E				
	ል	2.5.58 = -91 2.58 = -91 2.5			
	>	1. 75E +08 1. 1. 59E +08 1. 1. 59E +08 1. 1. 59E +08 1. 1. 59E +08 2. 56E -01 2. 56E -01 2. 56E +08 2. 56E +08 2. 56E +08 2. 56E +08 2. 56E +08 2. 56E +08 3. 56E +08 4. 56E +08 4. 56E +08 5. 66E +08 5. 66E +08 5. 66E +08 6. 66E			
	SRZ	9.00.00.00.00.00.00.00.00.00.00.00.00.00			
	225	9. 00. 00. 00. 00. 00. 00. 00. 00. 00. 0	ENERGY MAP		
	SRR	9.00 9.00	ENER		
	RHO	1.225E-03 1.225E-03 1.226E-03 1.226E-03 1.246E-03 2.34E-03 2.34E-03 2.315E-03 2.315E-03 3.157E-03 2.315E-03 3.157E-03 2.315E-03 3.157E-03 3.157E-03 5.114E-08 1.851E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.138E-08 8.56E-08 8.576E-08 8.576E-08 8.576E-08			
.258	¥	2.044E+09 2.044E+09 2.044E+09 2.046E+09 2.063E+09 2.066E+09 3.296E			
DX(1)=	>	3.806 6 45 3 3 806 6 45 3 3 806 6 45 5 2 5 96 6 45 5 2 5 96 6 45 5 2 5 96 6 45 5 5 5 6 6 45 5 5 5 6 6 45 5 5 5 6 6 45 5 5 6 6 45 5 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 45 5 6 6 6 45 5 6 6 6 6		ALTITUDE	AETERS -1.750E-02 -1.500E-02 -1.500E-02 -2.500E-03 -2.5
.258	>	9. 9. 1. 1886-92 1. 1746-99 1. 1746-99	8	234567898	
1 XCD•	۵	1.013E+06 1.013E+06 1.013E+06 1.039E+06 1.213E+06 2.458E+06 5.458E+06 5.458E+08 4.971E+04 4.971E+04 6.594E+10 7.32E+08 6.594E+10 7.32E+10	-	12345678981234567898	
++4.	٠-,	1084200 8 8 8 11 12 12 14 13 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	++		-0w4v@v@0

MATERIAL MAP

5.808E-03 1.808E-03 1.259E-02 1.508E-02 2.508E-02 2.508E-02 2.508E-02 3.508E-03 3.508E-02 3.508E-02 4.250E-02	. 750E . 000E	ALTITUDE	METERS -1.750E-02 -1.550E-02 -1.250E-02 -7.500E-03 -5.600E-03 -2.500E-03 5.600E-03 5.600E-03	7.500E-03	1.888E-82 1.258E-82
Tat. B BT. T TTTTTTTTTTTT B 888 BBB T T T BBB TT TT TTTTTTTTT TT BBB TT TT TTTTTTTT	88 1 1717 12345678981234567898 1	80 80 12345678981234567898	2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	****** ****** ************************	12 +************************************

AT TON

15 0000++XX+++++++++++++++ 1.758E-82 000000 14 00000+++++++++++++++ 1.500E-02 XXXXX

0 16 0000+++xxxxxxxxxxx 2.888E-82 17 0000+++xxxxxxxxxxxxx 2.258E-82 DX00

0 18 0000+++xxxxxxxxxxx 2.588E-82 0X00

19 0000++:+XX++++++++ 2.750E-02

28 0000++++++++++++++ 3.888E-82 21 0000+++++++++++++++ 3.250E-02

22 C300++++++++++++ 3.500E-02

23 0000++++++++++++++ 3.750E-02

24 0000+++++++++++++++ 4.000E-02

25 ++++++++++++++ 4.250E-02

```
MATERIAL DELT V(1) V(1) P(1,141) DELT V(1) DELT V(1) V(1) V(1) P(1,141) DELT V(1) V(1) V(1) V(1) P(1,141) DELT V(1) V(1) V(1) V(1) V(1) DELT V(1) DELT V(1) V(1) V(1) DELT V(1) DELT V(1) TRIP (1) TRIP (
                                                                                                                                                                                                             19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JOY
                                                                                                                                                                                                                 JOL
                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1DT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DT 1.681E-87
                                                                                                                                                                                                             DT 1.597E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VOL = 7.368739823399011E-01
FIRST GUES P =, 1.17187500000000E-02
IN EOS, HIT NTRY LIMIT
IN EOS, J = 16 FORMING DPDTAU
IN EOS, J = 17 FORMING DPDTAU
IN EOS, HIT NTRY LIMIT
IN EOS, J = 16 FORMING DPDTAU
IN EOS, J = 17 FORMING DPDTAU
IN EOS, HIT NTRY LIMIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRESSURE ITERATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TERRITION NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MATERIAL
2
3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *********
```

1. T. L. C.

```
REL ERROR
-2.00008516497821E+82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RELMERR
7.61347669182575E-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ETH
2.58846162198399E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       МТН
6.6896774446349E+82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DT 1.611313E-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOTAL MASS
6.6896774446980E+82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOTAL ENERGY
2.58749781854359E+13
                                                                                           19
                                                                                                                                                                                                                                                                                                                                                                         28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28
                                                                                           TOS
                                                                                                                                                                                                                                                                                                                                                                            JU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ę
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FOL 6
                                                                                                                                                                                                                                                                                                                                                                            6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TIME 1.000000E-05
                                                                                           TOI
                                                                                                                                                                                                                                                                                                                                                                            TOI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KINETIC ENERGY
2.40605361681851E+13
                                                                                        DT 1.616E-07
                                                                                                                                                                                                                                                                                                                                                                         DT 1.898E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DT 8.916E-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DT 1.611E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9 J 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5.58467E+05 AT I J 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       +
NAX VEL - 3.08026E+05 AT I 10 J 21
IN EOS. J = 17 FORMING DEDTAU
IN EOS. J = 16 FORMING DEDTAU
CYCLE 73 TIRE 9.6409E-06 DI
IN EOS. HIT NTRY LIMIT
IN EOS. HIT NTRY LIMIT
IN EOS. HIT NTRY LIMIT
IN EOS. J = 14 FORMING DEDTAU
IN EOS. J = 16 FORMING DEDTAU
IN EOS. J = 14 FORMING DEDTAU
IN EOS. HIT NTRY LIMIT
IN EOS. J = 16 FORMING DEDTAU
IN EOS. J = 16 FORMING DEDTAU
IN EOS. J = 16 FORMING DEDTAU
IN EOS. J = 17 FORMING DEDTAU
IN EOS. J = 17 FORMING DEDTAU
IN EOS. J = 17 FORMING DEDTAU
IN EOS. J = 18 FORMING DEDTAU
IN EOS. HIT NTRY LIMIT
IN EOS. J = 18 FORMING DEDTAU
IN EOS. HIT NTRY LIMIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4.84622E+83 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INTERHAL ENERGY
1.81444201725077E+12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MAX TEMP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MRX CS .
```

+ MAX P = 9.88407E+10 AT I +

					Ę	2 2.94542E-81 2 4.58347E-82 2 4.32858E-86 3 1.89517E-82	
					E	665 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	န် နှင့် လူ လူ လ
					¥	6.91326E-05 6.01326E-05 6.01334E-05 6.02046E-05 6.31241E-05 7.18932E-05 9.2575E-05 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.55170E-04 1.5518E-01 1.5518	6.31905E-05 6.02996E-05 6.01320E-05
					Σ		
					ል		2.58E-81 2.58E-81
					>	1. 75E + 40 1. 1. 55E + 60 1. 55E + 60	4.75E+88 5.88E+88
					SRZ	7.28E 408 3.39E 408 3.39E 408 3.36E 408 6.65E 407 6.61E 408	စ် စ် စ်
IS 6600 TIME. IS 7600/176 TIME.					225	@@@@@@@@@@@@	စ် စ် စ
					SR	99. 90. 90. 90. 90. 90. 90. 90.	
MIN, 27 SEC MIN, 8 SEC MIN, 27 SEC		TH CYCLE	IL CYCLE		SHO	1.225E-03 1.225E-03 1.225E-03 1.226E-03 1.236E-03 1.236E-03 1.236E-03 1.236E-03 3.161E-06 6.091E-09 6.091E-09 9.125E-09 9.285E-09 9.285E-09 9.369E-09 9.369E-09 9.369E-09 9.369E-09 9.369E-09 9.369E-09 9.369E-09	1.228E-03 1.228E-03 1.225E-03
HOURS, 8 P	35 6	6.51E-84 SEC CELL CYCLE	DUMP - 7.75E-84 SEC/CELL/CYCLE	.258	×	2.044E+09 2.044E+09 2.044E+09 2.045E+09 2.055E+09 2.055E+09 2.055E+09 2.055E+09 3.047E	2.846E+89 2.846E+89 2.844E+89
 	JRS,	•	JP - 7.75	- 0000	>		5.83E+62 3.35E+62 8.
HIS PROBLEP OF THIS		PROBLEM	LAST	.258	ם		-2.77E+81 -9.91E-81 8.
TIME FOR THIS PRO	FOR THIS RUN	FACTOR TOTAL PROB	FACTOR SINCE	. OX	۵		1.888E+86 - 1.817E+86 - 1.813E+86
+ + 12	TIE.	+12		++++	+7	+ 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

CELL SETTING DT, I 9 J 20

ENERGY MAP

2

(File)

| 12345678991234567899 | ALTITUDE | 1234567899 | ALTITUDE | 12345678991234567899 | ALTITUDE | 12345678991234567899 | ALTITUDE | ALT

	×	
2.7586-82	0 0 0 0 0 0 0 0 0 0 0	
	0000	
2.500E-02	0 18 0000+++>00000	
	DD:XD	
2,250E-02	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
2.888E-82	0 16 0000++xx++++	
	×××	
1.750E-02	0 0 0 0 15 0000+x++++++++++++++++++++++++++++++++	
	× ×	
1.500E-02	00000	
	XXXXX	
1.258E-82	13 +	
	夂 ×	
1.000E-02	xxx 12 x+xx+++++++++++++++++++++++++++++++++	
7.500E-03	11 ************************************	

28 0000++++xxxxxxxxxx 3.888E-82

MATERIAL MAP

22 0000++++++++++++++ 3.500E-02

3.258E-82

3.750E-82

4. BRAF-82

```
RELMERR
4.35257671709701E-08
                                                                                                                                                                                          REL ERROR
-3.43443872387653E+81
                                                                                                                                                                                            ETH
2.58705536595825E+13
                                                                                                                                                                                                                           6.68657495280771E+82
                                                                                                                                                         DT 1.615791E-87
                                                                                                                                                                                                                                                                                                                                            8 MIN, 38 SEC
8 MIN, 6 SEC IS 6600 TIME.
8 MIN, 38 SEC IS 7600/176 TIME.
                                                                                                                                                                                           2.58600274499470E+13
                                                                                                                                                                                                                    TOTAL MASS
6.68657495281252E+82
                                                  22222888
                                                  5555555
                                                                                                                                                         TIME 1.188888E-85
                                                                                                                                                                                                                                                                                                                                                                                                          +
LM12 FACTOR SINCE LAST DUMP - 7.89E-84 SEC/CELL/CYCLE
+
                                                                                                                                                                                                                                                                                                                                                                                              WHIZ FACTOR TOTAL PROBLEM . 6.63E-84 SEC/CELL/CYCLE
                                                  5555555
                                                                                                                                                                                           KINETIC ENERGY
2.48886244858972E+13
                                                DT 1.613E-07
DT 1.618E-07
DT 1.611E-07
DT 1.062E-08
DT 1.062E-08
DT 8.692E-08
                                                                                                                                                                                                                                                                                                                                                                                8 HOURS, 8 MIN, 52 SEC
                                                                                                                                                                                                                                                                                                                                             8 HOURS.
8 HOURS.
8 HOURS.
                                                                                                                                                                                                                                                                                4.85888E+83 AT I 18 J 22
                                                                                                                                                                                                                                         +
MRX VEL = 3.86234E+85 RT I 18 J 22
                                                                                                                                                                                                                                                                1 1 15
       4.500E-02
4.750E-02
5.000E-02
                                                TINE 1.0322E-05
TINE 1.03484-05
TINE 1.0446-05
TINE 1.0846E-05
TINE 1.0907E-05
TINE 1.0907E-05
                                                                                                                                                         83
                                                                                                                                                                                                                                                               5.32785E+85 AT I
                                                                                                                                                                                                                                                                                                                                          TOTAL TIME FOR THIS PROBLEM OF THIS AND
                                                                                                                                                                                                                                                                                                                   CELL SETTING DT, 1 9 J 21
                                                                                                                                                                                                                                                                                                  1.11433E+11 AT I
       CYCLE
                                                                                                                                                                                            INTERNAL ENERGY
1.85140296404985E+12
                                                                                                                                                                                                                                                                                                                                                                        TIME FOR THIS RUN
                                                   77
79
88
88
83
83
                                                                                                                                                         1.2000
                                                                                                                                                                                                                                                                                 MAX TEMP=
                                                                                                                                         kokokokokokokokok
                                                                                                                                                                                                                                                                MAX CS .
                                                                                                                                                                                                                                                                                                   MAX P .
000
                                                  PROB
```

4.258E-82

0 0

经验

+ = .	1 X(I)•	.258	• (1)×0	.258										
٠ ٦	۵	5	>	×	RHO	SRR	225	SRZ	>	4	E	¥	E	¥
0 W 4 N 0 V 0 0 0 0	1.013E+96 1.013E+06 1.013E+06 1.014E+06 1.020E+06 1.316E+06 2.678E+06 7.256E+06	0. 0. 0. 1.72E-03 3.79E-02 8.82E-02 -2.69E+00 -6.33E+01 -4.66E+02 -4.66E+02 -5.55E+02	3.98E+65 3.98E+65 3.98E+65 2.99E+65 2.99E+65 2.35E+65 3.96E+65 2.35E+65 3.96E+65 3.9	2.844E +89 1 2.844E +89 1 2.844E +89 1 2.844E +89 1 2.848E +89 1 2.385E +89 1 4.013E +89 1 4.013E +89 1 3.365E +89 2 3.365E +89 2	1,225E-03 1,225E-03 1,226E-03 1,226E-03 1,231E-03 1,370E-03 2,459E-03	စ်စ်စ်စ်စ်စ်စ်စ်စ်စ်	စ်စ်စ်စ်စ်စ်စ်စ်စ်စ်	လေးလ်လ်လ်လ်လ် လ်လ်	-1.75E+00 -1.59E+00 -1.25E+00 -7.50E+01 -7.50E-01 -2.50E-01 5.00E-01	2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01 2.50E-01		6.01320E-05 6.01324E-05 6.01362E-05 6.01704E-05 6.04226E-05 6.17980E-05 6.72513E-05 1.231476E-05	10 10 10 10 10 10 10 10 4 4	
12213213	1.355 + 18 3.563	10000000	2.38E+85 6.67E+85 6.67E+85 7.88E+84 7.88E+84 1.81E+84 1.81E+84 1.81E+84	8.373E+09 7 8.318E+09 7 8.271E+09 1 8.271E+09 1 6.205E+09 5 5.778E+09 8 3.378E+09 8		9. 82E +88 1. 89E +89 1. 18E +89 8. 8. 8. 2. 36E +88 2. 73E +88	-1.81E+89 -1.82E+89 -1.82E+89 0.80. 0.80. -4.81E+88 -5.89E+88		0000000	506 - 01 506 - 01 506 - 01 506 - 01 506 - 01 506 - 01	0 - m m m m m	3.59281E-01 8.79176E-07 7.1920E-02 2.80924E-01 4.26781E-01 4.26781E-01	N NN	1.13484E-04 2 1.06687E-01 3.59281E-01 8.79176E-07 2 2.11854E-01 7.19020E-02 2 4.31969E-06 2.80924E-01 4.00319E-01 4.26457E-01
28 23 23 25 28 2 28 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-5.584E-69 7.425E+10 7.577E+11 9.384E+10 9.384E+10 9.844E+65 1.869E-86 1.019E+86	, , , ,	1.01E+04 1.03E+04 1.03E+04 1.03E+04 2.14E+03 1.97E+03 7.31E+02 0.38E+02	1.584E-09 B 1.433E-09 9 1.527E-09 9 1.635E-09 9 1.226E-09 9 1.356E-09 1 1.356E-09 1 2.879E-09 1	B.815E+98 9.319E+08 9.319E+08 9.588E+88 9.423E+89 9.878E+88 1.271E-83 1.238E-83	2.36E+98 2.36E+08 1.16E+08 1.97E+08 3.34E+08 2.86E+08	-5.22F+08 -5.22F+08 -4.97E+08 -5.18F+08 -5.25F+08 -4.48E+08	1.00E+96 -7.10E+97 -1.60E+98 -1.50E+98 -5.16E+05 -4.99E+05 0.	2.75F + 69 3.90E + 69 3.50E + 69 3.75E + 69 4.90E + 69 4.25E + 69 4.75E + 69 5.90E + 69	5.08E-61 5.08E-61 5.08E-61 5.08E-61 5.08E-61 5.08E-61	4444440000	4,32691E-81 4,4272E-81 4,66331E-81 4,62361E-81 4,62567E-81 4,42513E-81 5,61228E-85 6,03911E-85 6,03391E-85	, m	32691E-81 .4272E-81 .6331E-81 .62567E-81 .45218E-85 .24861E-85 .81328E-85
++	1 12345678981234567898	234567898	ALTITUDE			ENERGY MAP	de -							
-0w4ravav@			HETERS -1.750E-02 -1.50E-02 -1.50E-02 -1.50E-03 -7.50E-03 -5.50E-03 5.50E-03 5.60E-03											

7.500E-03 1.500E-03 1.500E-03 1.750E-03 2.500E-03 2.500E-03 3.500E-03 3.500E-03 4.600E-03 4.750E-03 5.000E-03 5.000E-03 ALTITUDE 1.250E-02 ************ 12345678981234567898 1 12345678901234567890 11 TT T 12 BBTT 14 T BT 16 T BT 16 T BT 17 T T 18 B B 22 B B 22 B B 22 B B 23 TT TT 24 TT 25 B B 26 B 27 TT 27 TT 28 B 29 TT 20 B 20 B 20 B 21 BB 22 B B 23 TT 24 TT 25 B B 26 B 27 TT 27 TT 28 B 28 TT 28 8 X XXXXX 8 0 12 13 7

115

学法定

																		1.617E-07 IDT 9 JDT 21 1.613E-07 IDT 9 JDT 22
	1.750E-02		2.000E-02		2.250E-02		2.500E-02	2.750E-02		3.888E-82		3.250E-02	3.500E-02	3.750E-02	4.000E-02	4.250E-02	4.500E-02 4.750E-02 5.000E-02	1.1152E-05 DT 1.1323E-05 DT
XXXXXXX	000000	×	16 0000+X++++	X000	17 0000+++++++++	30xxxxxx	18 0000+++0000	0000 0000 0000 0000 0000 0000 0000 0000 0000	X0 0	28 DDDD++++xxxxxxxxxxxxxx	×	21 0000++++>	22 0000++++++++++++++++++++++++++++++++	0 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	24 00+++++++++++++++++++++++++++++++++++	25 +++1+++++++++++++++++++++++++++++++++	26 ++++++++++++++++++++++++++++++++++++	CYCLE 84 TIME 1.11 CYCLE 65 TIME 1.13

1DT 9 JDT 22 1DT 9 JDT 22 1DT 9 JDT 22 1DT 9 JDT 22 1DT 9 JDT 22		1.200000E-05 DT 1.619256E-07	TOTAL EMERGY 2.58448657686216E+13 2.58557299988177E+13 -1.38786262518177E+81	TOTAL MASS HTH RELMERR 6.68325848843132E+02 5.44342877786746E-08						34 SEC 8 SEC IS 6600 TIME. 34 SEC IS 7600/176 TIME.		כאברב	CYCLE		-	1.225E-83 8. 8. 8. 91.75E+88 2.58E-81 1 6.81328E-85 1.225E-83 8. 8. 91.58E+88 2.58E-81 1 6.81328E-85 1.225E-83 8. 9. 91.25E+88 2.58E-81 1 6.81343E-85 1.225E-83 8. 9. 91.98E+88 2.58E-81 1 6.81343E-85 1.225E-83 8. 9. 97.58E-81 2.58E-81 1 6.81521E-85 1.226E-83 8. 9. 9. 97.58E-81 2.58E-81 6.82814E-85 1.226E-83 8. 9. 9. 97.58E-81 2.58E-81 6.83814E-85 1.226E-83 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.
DT 1.614E-07 DT 1.615E-07 DT 1.059E-07 DT 8.666E-08 DT 1.619E-07		TIME 1.200	KINETIC ENERGY 2.39623822818528E+13		23	15	23			HOURS, 8 MIN, HOURS, 8 MIN, HOURS, 8 MIN,	0 MIN, 56 SEC	- 6.76E-84 SECAELLACYCLE	84 SECATEL	.250	×	2.844E +89 2.844E +89 2.844E +89 2.844E +89 2.844E +89
1.1465E-05 DT 1.1646E-05 DT 1.1807E-05 DT 1.1913E-05 DT 1.2000E-05 DT		96 T	KINETI 2.3962382		1 18 J	1 2 1	9	1 1 1 23	22	888	8 HOURS, 8 MI		SINCE LAST DUMP - 8.38E-84 SEC/CELL/CYCLE	DX(I)=	>	3.00E+05 2 3.00E+05 2 3.00E+05 2 3.00E+05 2 3.00E+05 2
TIME 1.1		CYCLE	RGY 163E+12		3.84642E+85 AT	4.9449E+85 AT	4.88374E+83 AT	3.87511E+18 AT	1 9 3	TIME FOR THIS PROBLEM OF THIS AND		WHIZ FACTOR TOTAL PROBLEM	LAST DU	.250	,	9. 9. 1.98E-83 1.23E-82 -6.32E-82
988888	ž ž	1.2888	INTERNAL ENERGY 1.88248347956963E+12		3.846			3.8751	CELL SETTING DT,	7. F 99.	FOR THIS RUN	TOR TOTAL	TOR SINCE	*(1)*	۵.	1.013E+96 1.013E+96 1.013E+96 1.013E+96
	+ Valadasy xolodak Valadasy xolodak +	PR08			3X VEL	HAX CS -	HAX TEMP-	MX P	ELL SET	TOTAL TIP	TIME FOR	HIZ FAC	WHIZ FACTOR		٦,	-5 × 4 × ×

```
1.30161E-82
1.57249E-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2.98688E-82
                                                                                                                                                                                          2.81330E-8
                                                                                                                                                                                          2
                                                                                                                                                                                                                                                                 2-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   M
6.42907E-05
7.4771E-05
1.56442E-04
1.74772E-04
1.74772E-04
1.51242E-05
2.52820E-01
1.51242E-06
2.52820E-01
4.24531E-01
4.26053E-01
6.51812E-01
6.5181E-05
6.5181E-05
6.5181E-05
6.5181E-05
   25.50 See 1.50 See 1.
   2. 58E-91

8. 56E-91

7. 59E-91

7. 59E-91

1. 59E-90

1. 55E-90

2. 55E-90

2. 55E-90

2. 55E-90

3. 55E-90

3. 55E-90

4. 55E-90

4. 55E-90

5. 56E-90

5. 56E-90

6. 56E-90

6. 56E-90

6. 56E-90

6. 56E-90

6. 56E-90

7. 56E-90

                                                                                                                                                                                                                                                                                                                                                                                    47E + 96
33E + 96
87E + 97
83E + 97
89E + 98
49E + 98
54E + 98
       စ. ဖ စ စ စ စ စ စ စ စ စ စ ပ ထ ပ ဂ ထ ∪ ဂ ထ ∸ ယ 4 ထ စ စ စ
   1.310E-03
3.187E-03
3.187E-03
3.560E-03
2.652E-01
5.150E+00
8.646E-00
8.646E
                                                                              2.192E+09
3.06.2E+09
1.033E+10
1.195E+10
1.35E+10
8.38.7E+09
8.38.7E+09
8.38.7E+09
8.38.7E+09
1.36.7E+09
1.37.81E+09
1.37.91E+09
1.37.9E+09
1.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FTERS

-1. 7581-82

-1. 5981-82

-1. 5981-82

-2. 5981-83

-2. 5981-83

5. 5981-83

7. 5981-83

7. 5981-82

1. 5981-82

1. 5581-82

2. 2581-82

2. 2581-82

2. 2581-82

3. 2581-82

3. 2581-82

3. 5981-82

3. 5981-82

3. 5981-82

3. 5981-82

3. 5981-82

3. 5581-82

3. 5981-82

3. 5981-82

3. 5981-82

3. 5981-82

3. 5981-82

3. 5981-82
   2.97E-05
2.18E-05
1.56E-05
1.15E-05
1.15E-05
1.15E-05
1.15E-05
1.15E-05
1.15E-04
2.34E-04
1.13E-05
1.13E-04
2.34E-04
2.34E-04
2.34E-05
1.13E-05
2.34E-04
2.34E-04
1.13E-05
2.34E-04
2.34E-04
1.13E-05
3.44E-03
3.45E-03
3.4
   888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12345678901234567890
       1.159E+06
1.208E+07
1.208E+07
1.208E+07
1.357E+07
2.708E+04
7.259E+03
7.259E+03
7.259E+09
7.259E+09
7.259E+10
7.259E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2228822882288222222222
```

公共党

MATERIAL MAP

```
3.750E-02
4.808E-02
4.250E-02
4.500E-02
4.750E-02
5.803E-02
                                                                                           ALTITUDE
                                                                                                                                                                                                             13 X+++++++++++++++ 1.250E-02
                                                                                                                                                                                                                                             14 +++++++++++++++ 1.500E-02
                                                                                                                                                                                                                                                                               15 +0+00X+++++++++++ 1.758E-82
                                                                                                                                                                                                                                                                                                        0 0
16 0000++X+++++++++++++ 2.808E-82
                                                                                                                                                                                                                                                                                                                                              17 0000++X++++++++++++ 2.250E-02
12345678981234567893
                                       12345678981234567898
1
                                                                                                                                                                                                                                                                                                                           X
                                                                                                                                                                                                                                                                                           ××
                                                                                                                                                                                                                                                          ××××
                                                                                                                                                                                                        0 XXX
                                                                                                                                                                                                                           ₩
₩
₩
                                                                                                                                                                                                                                                                        00000
                                                                                                                                                                                                                                       0
```

A LOCAL

4.500E-92 4.750E-02 5.000E-02 3.888E-82 21 0000++++xxxxxxxxxx 3.258E-82 3.750E-02 4.258E-82 23 0060++++*+++++++++ 12345678981234567898 25 ********************************* XXXXXXXXXX X0 0 ž 18 19 28 24 26 28 28

×000

Article.

DT 1.623101E-07

TIME 1.388888E-85

26

CYCLE

+ + + PR08

9555555

6555555

DT 1.615E-07 DT 1.616E-07 DT 1.617E-07 DT 1.6519E-07 DT 3.612E-08 DT 3.612E-08

717E 1.2162E-05
TIPE 1.2363E-05
TIPE 1.2485E-05
TIPE 1.2647E-05
TIPE 1.2909E-05
TIPE 1.3000E-05

														2 2 2 2
													¥	9.63732E-02 1.84455E-01 6.90566E-07
19	-98												Σ	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
REL ERROR -6.48819638454955E+8	RELMERR 3.81240294460392E-08												¥	6.01320E-05 6.01322E-05 6.0133E-05 6.0134E-05 6.02078E-05 6.02078E-05 6.01078E-05 6.01078E-05 9.7391E-04 1.29101E-04 1.29101E-04 1.29101E-04 1.29101E-04 1.29101E-04 1.29101E-04 1.29101E-04 1.29101E-04 1.2378E-01 1.4137E-01 4.2778E-01 4.33374E-01
8 81	124												Σ	
6.4	3.8													556 - 91 556 -
'													ል	
ETH 2.58399586797280E+13	MTH 6.67973769290766E+82												>	-1.75E+98 -1.50E+99 -1.90E+99 -2.50E-91 -5.90E-91 -5.90E-91 -5.90E-91 -5.90E-91 -5.90E-91 -5.90E-91 -5.90E-93 -5.90E
E. 2. 58399586	M 6.6797376												SRZ	9. 9. 9. 9. 9. 9. 9. 9. 9. 9.
RGY 1802E+13	388E+82						6600 TIME. 7600/176 TIME.						225	9. 9. 9. 9. 9. 9. 1. 58E+49 -1. 78E+49 -1. 78E+49 -2. 13E+49 -3. 13E+49 -5. 25E+49
TOTAL ENERGY 2.58274186879882E+13	TOTAL MASS 6.67973769291308E+02						15						SRR	9.00 9.00 9.00 9.00 9.00 1.00 1.00 1.00
	9.9						MIN, 37 SEC MIN, 0 SEC MIN, 37 SEC	v	6.88E-84 SECAELLAYCLE	- 8.26E-84 SEC/CELL/CYCLE			RHO	1.225E-03 1.225E-03 1.225E-03 1.225E-03 1.23E-03 1.23E-03 1.23E-03 1.23E-03 1.23E-03 1.23E-03 1.23E-03 1.36E+03 2.62E-03 2.62E-03 2.62E-03 1.96E+03 2.875E-03 8.895E+03 8.995E+0
86¥ 38E							0000	29 SEC	3	3				668444666666666666666666666666666666666
KINETIC ENERGY 2.39152382221738E+13		54	13	52	16		HOURS, HOURS,	8 MIN, 59	E-84 SE	E-84 SE		.258	×	2.844E+89 2.844E+89 2.844E+89 2.845E+89 2.852E+89 2.526E+89 8.557E+89 8.557E+89 8.452E
KINE 9152		7	1.3	18 J	-		000	80	6.88	9.26		•		3.00E+05 3.00E+05 3.00E+05 3.00E+05 3.00E+05 2.92E+05 2.31E+05 1.26E+05 1.26E+05 1.26E+05 1.26E+05 1.26E+04 1.2
2.3		1 1	_		-	23	Σ.	8 HOURS,				DX(I)-	>	3.98E+95 3.98E+95 3.98E+95 3.98E+95 2.98E+95 2.92E+95 2.31E+95 2.31E+95 3.68E+94 4.43E+94 4.43E+94 3.68E+94 3.71E+94 4.43E+94 4.43E+94 4.43E+94 4.43E+94 5.71E+94 6.81E+94
		PT	P	+83 AT	T 1	7	PROBLEM F TH IS AND	로	E	ST DUMP				
INTERNAL -MEKGY .91218838588735E+12		3.83855E+85 AT	4.95512E+05	4. R7229E+83	3.82835E+18 AT	6	FOR THIS PRO		FACTOR TOTAL PROBLEM	E		.258	-	9. 1.23E-03 1.23E-03 -1.59E-09 -1.59E-09 -1.99E-03 -7.57E-02 -7.57E-02 1.75E-03 1.75E-0
3828		3.83	1.95	4.9	828	DT.	8	S	10	SINCE				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
188:					m	SETTING DT,	TIFE	FOR THIS RUN	TOR	FACTOR		C X	۵.	1.013E+06 1.013E+06 1.013E+06 1.015E+06 1.025E+06 1.03E+06 1.03IE+06 1.03IE+06 1.03IE+06 1.03IE+06 1.03IE+06 1.03IE+06 1.03IE+06 1.03IE+07 1.03IE+08
NI .		퍃	53	TEMP	•									200000000004-W@W
-		×	TRY.	¥ X	×	CELL	TOTAL	114	THIS	# 12 +	+++		٠٠,	1084888112111888888888888888888888888888
			-	Ī					-		^,			

2

```
6.50533E-02
4.17105E-01
4.08886E-01
4.18947E-01
4.71350E-05
6.08537E-05
6.08537E-05
  mmm ----
 2.58E-01
2.58E-01
2.58E-01
2.58E-01
2.58E-01
2.58E-01
2.58E-01
 25E+98
.75E+98
.80E+98
.25E+98
.25E+98
.75E+98
  www.44440
 1.29E+87
2.07E+88
-5.41E+07
-1.43E+08
0.
 -5.22£+08
1.10€+08
5.02£+08
5.035+08
3.80€+00
0.
                                                                                                                                 MAP
 3.84E+88
3.36E+88
-1.34E+88
-2.66E+88
-1.14E+28
8.
  8.497E+88
8.330E+88
8.372E+88
1.326E+88
1.414E-83
1.249E-83
 1.595E+89
1.683E+89
1.541E+89
1.361E+89
2.287E+89
2.875E+89
2.855E+89
                                                                                                                                                                                                                                                                  1.758E-92
1.758E-92
1.758E-93
1.759E-93
2.599E-93
2.599E-93
7.59E-92
1.759E-92
1.759E-92
1.759E-92
2.759E-92
2.759E-92
2.759E-92
2.759E-92
3.759E-92
3.759E-92
4.759E-92
4.759E-92
4.759E-92
5.759E-92
5.759E-92
7.759E-92
7.759E-
 6.37E+83 1
3.24E+83 1
7.85E+83 1
1.32E+84 1
1.79E+84 1
3.24E+93 2
8.52E+82 2
                                                                                                                                                                                                                                                  METERS
.7586-82
.5886-82
.2586-82
.8886-83
.8866-83
                                                                                                                                                                                                        PLTITUDE
 9.826+02
6.896+02
1.486+03
2.186+02
6.496+02
-3.116+01
-8.986+09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TTB 68
T TB TTTTTTTT
                                                                                                                                                                                                                       12345678901234567898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
11111
8888
    -5.344E+18
-8.694E+18
-3.872E+19
-3.872E+18
3.945E+85
1.268E+85
1.388E+86
1.838E+86
                                                                                                                                                                                                                                                                                                                                                                                                                           17 T
878
18 B
17 B
17 B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ⊢ œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     988
17 17
18888
1777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            884
  22
22
23
24
25
25
26
27
28
4
```

ALTITUDE 12345678981234567898

ETERS	-1.758E-82	-1.500E-32	-1.258E-82	9E-9	-7.500E-93	B-3000.	. 586E-0		. 5PBE-8	5.888E-83	. 588E-8	. 888E-8	1.2586-92	
	****	******	***************************************	*******	**************	***************	*****************	***************************************	***	*************	******	*************	0 × × × ×	
	-	2	M	4	S	9	~	8	6	18	=	12	13	

1.258E-92		1.500E-82		
13 X+X+1	×	14 +	XXXXX	000

1.758E-82		2.888E-82		2.250E-02
000	×××	16 0000+++++++++++++++++++++++++++++++++	XXX0	00 17 00000+X++X++

2.588E-82		2.758E-82	
18 0000+++++++	XXX00	00 0000 61	

X000

28 0000+********* 3.888E-82

```
222222
                                                                                                                         5555555
                                                                                                                         466666
                                                                                                                        DT 1.619E-07
DT 1.620E-07
DT 1.621E-07
DT 1.623E-07
DT 1.841E-07
DT 1.626E-07
                                                                                                4.500E-02
4.750E-02
5.000E-02
              3.250E-82
                                  22 0000++++xxxxxxxxxx 3.580E-82
                                                     3.758E-82
                                                                    4.898E-32
                                                                                   4.250F-82
                                                                                                                         1.3162E-85
1.3324E-85
1.3486E-85
1.3648E-85
1.3811E-85
1.3915E-85
                                                                                                 1234567898123456798
         21 0000++++xxxxxxxxxxxxx
                                                 23 0000++++xxcxxxxxxxx
                                                                              24 0000++++XX++++++++
0 0x xxxxxxxxxxx
                                                                                                                          š
                        ×
×
                                                                ×
                                                                                                                                                                      XOKOKOKOKOKOK
                                                                                                                                                                           ***************
                                                                                                                         32555333
                                                                                             0000
                                                                                                 25 28 28
```

学生经

REL ERROR -1.26666048914780E+02

> ETH 2.58190775151343E+13

> TOTAL ENERGY 2.58032686312524E+13

KINETIC ENERGY 2.38689782361200E+13

INTERNAL ENERGY 1.93429039513241E+12

DT 1.627629E-07

TIME 1.400000E-05

184

CYCLE

1.2000

90dd

RELMERR -4.35978441787965E-88

МТН 6.67**564304**869623**E+8**2

TOTAL MASS 6.67564384878136E+82

11 J 26

4.87281E+63 AT 1

HAX TEMP=

4.88672E+85 AT 1

MAX CS .

18 J 27

MX VEL - 3.89752E+85 AT I

学社会

16

-2

A

2.62828E+18

a.

즂

2.76233E-01 3.56540E-01 1.45404E-06

777

45683E-02

Œ

				6	
	12345678901234567890	ALTITUDE		12 ************************************	1.888
_		METERS -1.758E-02		13 ************************************	1,258
0 m 4		-1.500E-02 -1.253E-02 -1.000E-02		XXX 0	1.588
מט נוו		-7.509E-03 -5.090E-03		×××××	
~ 10 0		-2.580E-03 0. 2.580E-03		15 ++++++++++++++++++++++++++++++++++++	1.758
3 :		5.000E-03 7.500E-03		×××××	
7 1 4		1.388E-82 1.258E-82 1.588E-82		000000	2.688
150	BTB BTB TTT T	1.750E-02 2.800E-02		×	
286	ω	2.250E-02 2.500E-02 2.750E-02		**************************************	2.250
22 28	818 T TTTTT T 8888	3.888E-82 3.258E-82 3.588E-82		18 0000 ++++++++++	2.588
23	1 888 T	3.750E-02 4.000E-02		2000	
25 25	25 88 T T 88 26 BT 8 888 27 TTTT TTB TTTTTTTT	4,250E-02 4,500E-02 4,750E-02		00 0000 61	2.758
28	12345678981234567898	5,000E-02		XX0 D	
+	7		MATERIAL MAP	28 QOOD++++++++++++++++	3.888
+ +				XXX0 0	
	2	ALTITUDE		21 0000++++**	3.250
	12345678981234567898			0 0% xxxxxxxxx	
-01		FETERS -1,758E-82 -1,588E-82		22 DDDD++++XXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3.500
0 4 W		-1.000E-02 -7.500E-03		23 0000++++xxxxxxxxxxxxx	3.758
0,0	* * * * * * * * * * * * * * * * * * *	-5.800E-03 -2.500E-03 0.		24 0000++++xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	4.998

```
REL ERROR
-1.18815400736036E+02
                                                                                                                                                                                                       RELMERR
6.54411058280875E-08
                                                                                                                                                                                  ETH
2.57914136352720E+13
                                                                                                                                                                                                       МТН
6.67099755389013E+02
                                                                                                                                                       DT 1.629873E-07
                                                                                                                                                                                                                                                                                                    0 MIN, 42 SEC
0 MIN, 0 SEC IS 6600 TIME.
0 MIN, 42 SEC IS 7600/176 TIME.
                                                                                                                                                                                 2.57725422125824E+13
                                                                                                                                                                                                      TOTAL MASS
6.67099755309569E+02
                                                                     88888888
                                                                     5555555
                                                                     00000000
                                                                                                                                                      TIME 1.500000E-05
                                                                     999999
                                                                   DT 1.623E-87
DT 1.626E-87
DT 1.626E-87
DT 1.029E-87
DT 8.416E-98
DT 1.639E-97
                                                                                                                                                                                 KINETIC ENERGY
2.38201421803140E+13
                                                                                                                                                                                                                                                                                                                               8 HOURS, I MIN, 4 SEC
                                                                                                                                                                                                                                                                                                    8 HOURS,
8 HOURS,
8 HOURS,
                                                                                                                                                                                                                                                    4.84418E+83 AT I 11 J 27
                                                                                                                                                                                                                          14 J 27
                                                                                                                                                                                                                                       1 J 14
                                        4.758E-82
5.888E-82
                                                                                                                                                                                                                                                                   1 J 22
4.258E-82
                    4.500E-02
                                                                    1,4163E-05
1,4325E-05
1,4488E-05
1,4650E-05
1,4813E-05
1,4916E-05
1,5000E-05
                                                                                                                                                                                                                    #
MAX VEL = 3.18764E+85 AT I
                                                                                                                                                                                                                                      4.93094E+05 AT I
                                                                                                                                                                                                                                                                                CELL SETTING DT, 1 10 J 26
                                                                                                                                                                                                                                                                                                  TOTAL TIME FOR THIS PROBLEM
OF THIS
AND
                                                                                                                                                                                                                                                                  5.11725E+18 AT I
******
                                                                                                                                                      CYCLE
             xxxxxx x
                                                                                                                                                                                INTERNAL ENERGY
1.95248883226847E+12
                                                                    TIME FOR THIS RUN
                                                                    1188
                                                                                                                                                      1.2888
                                                                                                                                                                                                                                                    MAX TEMP.
                                                                   - SJ XHL
                                                                                                                                                                                                                                                                 MAX P .
                                                                                                                                                     PROB
                    56
                                                                                                                                                                       127
```

LHIZ FACTOR TOTAL PROBLEM = 6.91E-84 SEC/CELL/CYCLE

LHIZ FACTOR SINCE LAST DUMP = 6.89E-84 SEC/CELL/CYCLE

-63

1.750E-92		2.888E-82		2.250E-02		2.500E-02		2.750E-02		3.888E-82		3.258E-82	3.500E-82		3.750E-02	4.888E-82	4.250E-02	4.588E-82	4.750E-82	5.888E-12
***************************************	xxxxx	00000	××	0 00 0 is 0000 2i	XXOU	**************************************	××000	0 0 0 0 0 0	××00	00000	XX0 0	00	**************************************	0 0x xxxxxxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	24 0000++++xxxxxxxxxxxxx	× 0 × 0	**************************************	××× × × × × × × × × × × × × × × × × ×	**************************************
15		91		21		18		19		20		21	22		23	24	25	56	22	28

MATERIAL MAP

.5886E-8 .5886E-8 .258E-8 .258E-8 .258E-8	2.750E-02 3.800E-02 3.500E-02 3.750E-02 4.800E-02 4.500E-02 4.500E-02 5.800E-02 5.800E-02	ALTITUDE	FETERS -1.750E-02 -1.500E-02 -1.500E-03 -7.500E-03 -5.000E-03 0.2.500E-03 7.500E-03 7.500E-03 1.000E-03	1.250E-02	1.500E-02
TT T 8 B B TTT B TTT TTT	######################################	1 2 2 1 1 2 1 2 1 2 3 4 5 5 7 8 3 8		***************************************	0 × x
e 8 1 2 2 2 4 2 3 2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	+ ++ 129	- 0 10 4 12 10 10 E E E E E E E E E E E E E E E E E	13	4

```
RELMERR
6.95243996448415E-08
                                                                                                                                                                                           REL ERROR
-2.88991563732216E+82
                                                                                                                                                                                           ETH
2.39552762580557E+13
                                                                                                                                                                                                                           6.27919779359072E+02
                                                                                                                                                            DT 1.631986E-87
                                                                                                                                                                                                                                                                                                                                8 MIN, 45 SEC
8 MIN, 8 SEC IS 6688 TIME.
8 MIN, 45 SEC IS 7688/176 TIME.
                                                                                                                                                                                           2.39294874163826E+13
                                                                                                                                                                                                                   TOTAL MASS
6.27919779359672E+02
              4555555
              50000000
                                                                                                                                                            TIME 1.500000E-05
                                                                                                                                                                                                                                                                                                                                                                               WHIZ FACTOR TOTAL PROBLEM - 6.93E-84 SEC/CELL/CYCLE
                                                                                                                                                                                                                                                                                                                                                                                               WHIZ FACTOR SINCE LAST DUMP . 7.41E-84 SECATELLACYCLE
              KINETIC ENERGY
2.20329484558558E+13
             DT 1.630E-07
DT 1.632E-07
DT 1.632E-07
DT 1.016E-08
DT 8.316E-08
DT 1.632E-07
                                                                                                                                                                                                                                                                                                                                                                 8 HOURS, 1 MIN, 7 SEC
                                                                                                                                                                                                                                                                                                                                 8 HOURS,
8 HOURS,
8 HOURS,
                                                                                                                                                                                                                                                                          28 J 27
                                                                                                                                                                                                                                            27
                                                                                                                                                                                                                                                          9 J 22
                                                                                                                                                                                                                                                                                          15
                                                                                                                                                                                                                                           MRX VEL = 3.81382E+85 AT 1 12 J
             1.5163E-05
1.5326E-05
1.5439E-05
1.5652E-05
1.5315E-05
1.5317E-05
1.5317E-05
                                                                                                                                                                                                                                                                                          3 3
                                                                                                                                                             118
                                                                                                                                                                                                                                                                         MAX TEMP 3.79488E+83 AT I
                                                                                                                                                                                                                                                                                                         27
                                                                                                                                                                                                                                                                                                                               TOTAL TIME FOR THIS PROBLEM OF THIS AND
                                                                                                                                                                                                                                                          4.87876E+85 AT I
                                                                                                                                                                                                                                                                                         MAX P = 7.17497E+18 AT I
                                                                                                                                                                                                                                                                                                         CELL SETTING DT, I 10 J
                                                                                                                                                             CYCLE
12345678901234557890
                                                                                                                                                                                           INTERNAL ENERGY
1.89654696124778E+12
               TIME FOR THIS RUN
             1.2888
                                                                                                                                     apotokokokotata
                                                                                                                                             Ackatoka * Ackatoka
                                                                                            ESTOP *
                                                                                                                                                                                                                                                          MAX CS =
                                                                               Aptotototototot
                                                                                                              Acyclotototototot
              PROB
                                                                                                                                                                                                            130
```

.

	¥	2.86581E-81 3.27879E-81 8.54329E-83			
	Σ	w nnn			
	¥	6.01320E-05 6.01321E-05 6.0132E-05 6.01416E-05 6.01416E-05 6.01925E-05 6.03721E-05 6.03721E-05 6.03721E-05 7.0321E-01 1.0520E-04 4.3506E-04 4.3506E-01 4.3506E-01 4.3506E-01 4.3506E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 4.516E-01 6.5200E-01			
		00000000000044W44444444			
	Σ				
	4	22.22.22.22.22.22.22.22.22.22.22.22.22.			
	>	-1,75E+08 -1,50E+08 -1,50E+08 -1,00E+08 -2,50E+01 -2,50E+08 -2,50E			
		00.00.00.00.00.00.00.00.00.00.00.00.00.			
	2				
	SRZ				
		@ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ 			
	225	60. 60. 60. 60. 60. 60. 60. 60.	ENERGY MAP		
	٠.	000000000000000-1-044NNNNNNNNNNN	>		
		$\overline{\omega}$	28		
		80. 80. 80. 80. 80. 80. 80. 80.	Ψ.		
	SRR	31 1 1 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	ш		
	S	69. 60. 60. 60. 60. 60. 60. 60. 60. 60. 60			
		1.225E-03 1.225E-03 1.225E-03 1.225E-03 1.225E-03 1.225E-03 1.226E-03 1.226E-03 1.226E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.266E-03 1.226E			
	0				
	몵	22.22.22.22.22.22.22.22.22.22.22.22.22.			
		00000000000000000000000000000000000000			
0					
.250	×	944E + 99 944E + 99 944E + 99 944E + 99 944E + 99 945E + 99 943E + 99 943E + 99 943E + 99 943E + 99 943E + 99 955E +			
	~	2.044E+09 2.044E+09 2.044E+09 2.044E+09 2.044E+09 2.045E+09 2.345E+09 3.760E+09 1.334E+10 1.334E+10 1.530E+09 1.659E+09 1.456E+09 1.456E+09 1.335E			
		000000000000000004444444		핕	HETERS -1,750E-02 -1,50E-02 -1,20E-02 -7,50E-03 -2,50E-03 -2,50E-03 5,60E-03 7,50E-03 7,50E-03 1,60E-03
•		3.00E+05 3.00E+05 3.00E+05 3.00E+05 3.00E+05 3.00E+05 2.90E+05 2.90E+05 2.90E+05 2.90E+05 2.90E+05 3.0		ALTITUDE	HETERS -1,750E-02 -1,500E-02 -1,500E-03 -7,500E-03 -2,500E-03 -2,500E-03 5,000E-03 5,000E-03 7,500E-03
DXCI) -	>	00000000000000000000000000000000000000		5	9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5
à		www.www.uuuu.uuu		Œ	
			N	60	
250		66-62 33-61-1 66-62 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1 37-64-1		8	
	_	332599999999999999999999999999999999999		9	
		69. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		34	
			_	12345678981234567898	
•		913E +96 1013E +96 1013E +96 1013E +96 1013E +96 1014E +96 1062E +96 1062E +96 1063E +96 1063E +97 1063E +97 1063E +97 1063E +97 1063E +97 1063E +10		968	
G X	۵.	38 25 24 33 36 36 36 36 36 36 36 36 36 36 36 36		29	
~		913F 913F 913F 913F 913F 935F 935F 935F 935F 935F 935F 935F 93		345	
-				12	
	-	10848862222222222222222222222222222222222			-22450686817
	. 7.		++		

MATERIAL MAP

A STATE OF

×××

18 0000++×++++++++++ 2.500E-02 ××

19 0000+++++++++++++++ 2.750E-02 XX000

DOXXX

28 G000+++X++++++++++ 3.988E-82 21 0000++++++++++++++ 3.250E-02

0 0

22 0000++++X++++++++ 3.500E-02 23 0000+++*X+++++++++ 3.750E-02

24 0000+++++xxx++++++ 4.889E-82 XXXX X 0

27 +++++++******** 4.758E-82

BLK PROB ATMOS

BREF	9.	17244899999999999999999999999999999999999
כפרם		77777777777777777
CYCLE	. 18989898989898E	1726736888888888888
DIMEN	. 889888888888888	172140000000000000000
10	631985580017	562292435
ברים ברים ברים	ABABABABABABABABABABABABABABABABABABAB	3415844513
EE	.395527625885	74534460556655407
EXPAND	. вевевевевевевеве	6314631
FAIL	700000000000000000000000000000000000000	9969999999999999999
FLUXER	S. bedeedeedeedeede toe	1721499999999999999999999999999999999999
XMI	. 8988888888888888888888888888888888888	17245888888888888888888888888888888888888
10	эвевевевевевеве.	172446000000000000000
ISLAND		вавевавававававава
XMX	2.888888888888888888	17247898888888888888888888888888888888888
200	, radagagagagagaga ta	
LREF		277777777777777
TETHOD	. BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	1721488888888888888
37	.27919779359672E+8	17314717533552437525
Ŧ	.27919779359072E	17314717533552437268
エア	2.00000000000000E+01	17245888888888888888888888888888888888888
NH IC	. 60000000000000000	173262888888888888888
NH IST	6.0000000000000000000000000000000000000	17226883888888888888
E 2	. ининивичения	1/21500000000000000000000000000000000000
000	ааварарарара	122149999999999999999999999999999999999
NROLPR	. явивививи	1722488888888888888888888888888888888888
PTSTOP	. 0000000000000000000000000000000000000	173145400000000000000
RADLOS		веенавынавывававые
REZONE	a.	вавававававававава
RREF		
NIGOTA	1. ABBRARABBARABBE : DI	17284838888888888888888888888888888888888
STRESS	. 8888888888888	1728488888888888888888888888888888888888
SUME		вавававававававава
-	1.5999999999996E-05	17004143367501327551
TERAD	9.	120011122556122561
TRE	1.3333333333334C-03	BARARA
TIME		6457865176763
TTIME6		999999999999
TT IME?	.582399999999	645786517676
TTSTOP	. 000000000000000000	999999999999
UREZ	1.6000000000000000E+01	999999999999999
VISC	1 0000000000000000000000000000000000000	
VALUE OF THE PARTY	, 0000000000000000000000000000000000000	NA SA
MORK		988888888888888888888888888888888888888
×	4. BREBREBBBBBBBE +BB	224888888888888888
S,	-1.898888888888E+88	5553777777777777
80	9.	000000000000000000000000000000000000000

· 多生命。

PFX NOS/8E 1.2 KAFB 011 PFX 07/10/78 FLCM=314000 PXCM=250000 FLEC=1720K PYEC=06000K

```
15.08.1.29
15.08.1.6. ENDIF, COPPED CP SECONDS COPPILATION TIME
15.08.1.20. RETURN (SAFL, LOCAL)
15.08.1.21. ENDIF, COPPED
15.08.1.21. ENDIF, MET.
15.08.1.21. ENDIF, MET.
15.08.2.21. ENDIR (LARD.)
15.08.2.2. CONTRICADD.
15.08.2.2. CONTRICADD.
15.08.2.2. CONTRICADD.
15.08.2.2. ELSE, RUIS.
15.08.2.2. ELSE, RUIS.
15.08.2.2. FILE (TAPE 4). SBF = NO)
15.08.2.2. FILE (TAPE 4). SBF = NO)
15.08.2.2. FILE (TAPE 4). SBF = NO)
15.08.2.2. DSET (FILES = TAPE 4 TAPE 4 TAPE 9 TAPE 8 TAPE 
15.84.43 FILE (TAPE41, SBF = NO)
15.84.44 - LDSET (FILES = TAPE4/TAPE41)
15.84.44 - LDSET (FILES = TAPE4/TAPE41)
15.84.44 - CENERATING HULL DISK VERSION
15.84.45 - END PLANK
15.84.55 - END PLANK
15.84.55 - END CNT
15.84.55 - END CNT
15.87.15 - RYSTEM HULL VERSION 185
15.87.15 - RYSTEM HULL VERSION 185
15.87.15 - RYSTEM HULL VERSION 185
15.87.16 - RETURN (HHH)
15.87.16 - RETURN (SAVE)
15.87.19 - END CNT
15.87.28 - ELSE (COPPS)
15.87.28 - ELSE (COPPS)
15.87.28 - ELSE (COPPS)
15.88.115 - RYSTEM TIPE
```

```
15.27. 89.NTGS BLOCKS LRITTEN -000344
15.28.18.LOCKIN.
15.28.48.NTGS BLOCKS LRITTEN -000375
15.29.37.NTGS BLOCKS LRITTEN -000375
15.30.11.NTGS BLOCKS LRITTEN -000437
15.30.11.NTGS BLOCKS LRITTEN -000437
15.31.10.NTGS BLOCKS LRITTEN -000437
15.31.21.NTGS BLOCKS LRITTEN -000439
15.31.31.NTGS BLOCKS LRITTEN -000439
15.31.31.NTGS BLOCKS LRITTEN -000499
15.31.31.NTGS BLOCKS LRITTEN -000499
15.31.31.NTGS BLOCKS LRITTEN -000499
15.31.31.NTGS BLOCKS LRITTEN -000499
15.31.31.NTGS BLOCKS LRITTEN -0009530
15.31.32.NTGS BLOCKS LRITTEN -0009530
15.31.31.NTGS BLOCKS LRITTEN -0009530
15.31.31.NTGS BLOCKS LRITTEN -0009530
15.31.37.ENDIF, HITG.
15
```

SECTION IV

TEST PROBLEM 1.3

Problem 1.3 is another small test problem consisting of 800 zones. It is a multimaterial problem with air, steel, and concrete. The configuration is basically a long narrow steel rod impinging upon a concrete slab at 25,000 ft/s. Stations were used for this run to test that part of the code. The entire JCL output has been listed as an example. Dumps from cycles 0, 10, and 104 have been included. After approximately 3.5 μ s the steel penetrator has moved 5 cells into the concrete slab.

PROBLEM 1.3 SYSTEM 370 KEEL RUN

```
//KEEL.STATION DD DSN=AF2001.HULL.STAT1P3,UNIT=SYSDA,DISP=(NEW,CATLG),
                                                                                                                                                                                             VKEEL.DATA DD DSN=AF2001.HULL.PROBIP3,UNIT=SYSDA,DISP=(NEU,CATLG),
                                                                                                                                                                   OLDPRE='AF2001.',PP1='SYSOUT=H,HOLD=YES',PTIME='(0,10)'
                                                 //KEEL EXEC KEEL, GENO='.V105', FPARM='NOSOURCE, TERM',
// PS1='SYSOUT=H, HOLD=YES', PS2='SYSOUT=H, HOLD=YES',
                                                                                                        FP1='SYSOUT=H,HOLD=YES',LP1='SYSOUT=H,HOLD=YES',
KP1='SYSOUT=H,HOLD=YES',KTIME=1,LIBPRE='AF2001.
//AF2001K JOB (AF2001,,5),'KEEL RUN',MSGCLASS=H,CLASS=B,
                                                                                                                                                                                                                   DCB=(RECFM=VBS, LRECL=7220, BLKSIZE=7224),
                                                                                                                                                                                                                                                                                                             DCB=(RECFM=VBS,LRECL=7220,BLKSIZE=7224),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       XL=0 YL=-8 -7 -5 -3 -1 0 .5 1 2 3 4 5 6 7 8 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EOS=6 T=0 NN=3 AIR=1 FE=2 CONCRT=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STEEL PENETRATOR INTO CONCRETE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4ESH XMAX=10, Y0=-10 YMAX=10
                                                                                                                                                                                                                                                      SPACE=(CYL, (20,20))
                                                                                                                                                                                                                                                                                                                                                                                                                              STRESS=1 STRAIN=1 ATMOS=5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RECTANGLE X2=1 Y1=-8 Y2=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RECTANGLE X2=1 Y1=-8 Y2=0
                                                                                                                                                                                                                                                                                                                                           SPACE=(CYL, (4,4))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PACKAGE FE V=7.62E5
                                                                                                                                                                                                                                                                                                                                                                   //KEEL.INPUT DD .
                                                                                                                                                                                                                                                                                                                                                                                                                                                         IMAX=20 JMAX=40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RECTANGLE Y2=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RECTANGLE Y1=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PACKAGE CONCRT
                                                                                                                                                                                                                                                                                                                                                                                                      KEEL PROB=1.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             //SAIL.INPUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SAIL LINENO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PACKAGE AIR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               L,2300,2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             END OF DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FLUXER=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NSTN=16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HEADER
```

90	100	* UACD277	AE2001V	CTABTER	JES2	0 7 0 7	2 JOB LOG
	105	AF2001K	KEEL	09:56:25	, ~	0.25	2000
_	105	AF2001K	PLANK	09:56:33	2	0.75	2000
•	105	AF2001K	SAIL	09:56:46	1735	112.47	2000
	105	AF2001K	FORT	10:25:42	677	19.97	2004
	105	AF2001K	LKED	10:36:59	25	2.24	2000
108	105	AF 2001K	09	10:37:25	45	5.03	2000
	105	\$HASP395	AF 2001K	ENDED			

DU1

//	MOTIFY=AF2001	00000000
//KEEL	PROC LIB=HULLIB,	X00000030
//	LIBPRE='SAIL.'.	X00000040
//	LIBU=,	X00000020
//	LIBVOL=,	09000000X
//	CHNBLK=3521,	X000000X
//	CHMLRL=3517,	X00000080
//	CREG=100K.	06000000X
//	FLIB='SYS1.FORTLIB'.	X00000100
//	FILO=,	X00000110
11	FPARM=MAP,	X00000120
//	FPROG=IFEAAB.	X00000130
//	FREG=512K,	X00000140
11	FP1= SYSOUT *A ,	X00000150
11	FSPACE= (CYL, (10,5), RLSE) ',	X00000160
11	FTIME= (1,0) .	X00000170
11	GENO='(0)',	×00000180
11	605PACE= ((£YL, (20,5,1))',	X00000190
//	LAB0=,	X00000200
11	LNAME=KEEL,	X00000210
//	LPARM= MAP .	x00000220
11	LPROG=IEWL,	X00000230
11	LREG=250K,	x00000240
11	LP1='SYSOUT=A',	X00000250
//	LTIME= (0,45),	X00000260
11	KEELSP='(CYL,(10,5), RLSE)',	X00000270
11	KREG=512K,	X00000280
//	KP1= SYSOUI=A,	0670000X
//	KINE = (2,0).	X0000300
,,	OLD HULL,	X000003
17	0.0000	X00000330
"	, 1145, HARDE	X00000340
//	0,000	X00000350
11	0,0001=,	X00000360
//	PPROG=PLANK,	X00000370
11	PP1='SYSOUT=A',	X00000380
11	PRCM=5000,	X00000390
11	PRCL=3644,	X00000400
11	PREG=100K,	X00000410
11	PTIME='(1,0)',	X00000420
11	PS1= SYSOUT=A',	X00000430
11	PS2='SYSOUT=A',	X00000440
//	SAILBLK=800,	X00000450
11	SAILR=80,	X00000460

		CDEC=175V	000000
,,			
		מאבטיונטא,	00500000
//		SIINE = (2,0)	OCCOODOY
//		JORKSP = (CTL, (5,5))	0100000
-	-	***************************************	***************************************
//KEEL E	EXEC	PGM=IEBGENER, REGION=\$CREG	00000230
//SYSPRINT	00	DUMMY	00000240
//SYSIN	9	PERM	000000220
//SYSUT1	00	DDNAH = INPUT	00000290
//SYSU12	00	DSM=88KEELI,	x00000570
//		DISP=(NEW,PASS),	X00000580
"		UNIT-SSCRIC.	x00000590
"		SPACE=(TRK, (5,5), RLSE).	00900000X
"		DCB=(RECFM=FB, LRECL=80, BLKSIZE=1600)	00000010
//*	:		000000€50
//PLANK E	EXEC	PGM=&PPROG, IINE=&PTINE, REGION=&PREG	0000009
*//			0000000
//STEPLIB	00	DSN=\$LIBPRE\$LIB,	x000000x
11		UNIT=&LIBU,	09900000x
11		VOL=&LIFVOL,	02900000x
"		DISP=SHR	08900000
*//			06900000
//FT05F001	00	DSN=33KEELI,DISP=(OLD,PASS)	0000000
*//	-		00000710
//FT06F001	00	\$PP1,	x00000720
//		DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	00000730
1/51075001	2	11 1900-1130	V00000750
100101111	2	DISPE(NET PASS)	x00000760
"		UNIT=MSCRIC.	x00000770
//		SPACE=(TRK, (5,5), RLSE).	X00000780
//		DCB=(RECFM=FB, LRECL = 80, BLKSIZE=1600)	06200000
//			00800000 *
//SAIL E	EXEC	PGM=&SPROG, TIME=&STIME, REGION=&SREG,	X00000810
11		COND=(8, LT, PLANK)	00000850
*//			00000830
//STEPLIB	DD	DSN=#LIBPREALIB,	X00000840
" "		UNIT=&LIBU,	X00000820
11		VOL=&LIBVOL, P	09800000X
11		DISF=SHR	00000870
*//			00000080
//FT01F001	00	DUMMY	06800000
•//			00600000
//FT02F001	00	DSM=20LDPRE 201. D3GENO,	x00000010
11		UNIT-\$OLDU,	X0000050
"		LABEL=(&FILO, &LABO,, IN),	X0000030
11			X00000940
11		VOL=20LDVOL,	X000004
"		DCB=\$0LDDCB	09600000
*//			02600000

		A TOWN OF THE POLICY OF THE PROPERTY OF THE POLICY OF THE	
		SPACE (TRK (20.20))	00001010
			00001020
//FT04F001	00	4PS2,	X00001030
		DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330)	00001040
	-		00001050
10016011/	3	BONDE - INCO	00001020
//FT06F001	00	.1543	X00001080
		DCB=(RECFN=FBA, LRECL=133, BLKSIZE=1330)	00001090
			00001100
//FT08F001	20	DSN=12KEEL,	X00001110
		DISP=(MEU, PASS),	X00001120
		UNIT=45CRTC,	X00001130
		SPACE=&KEELSP,	X00001:40
		DCB=(RECFM=FB,LRECL=&SA1LR,BLKSIZE=&SAILBLK)	00001150
			00001160
//FT09F001	00	DSM=&&ALTI,DISP=(OLD,DELETE)	0/11/0000
*//	6		X00001180
-	20		X00001
		CONTRACTOR	00001210
		משורני משורו משור משור	00001220
//FT11F001	00	DUNNY	00001230
			00001240
//FT12F001	00	DUMMY	00001250
			00001790
//FORT EX	EXEC	PGM=&FPROG, REGION=&FREG, PARM='&FPARM', TIME=&FTIME,	X00001270
		COND=((8,LT,PLANK),(8,LT,SA1L))	00001280
			00001290
I STSPRIN	3	AFF1,	00001300
	:	000 - (AECTA-TBM, LAECE-133, BLASTE-1330)	00001320
//SYSLIN	9	DSM=##LOADSET.	X00001330
		DISP=(MOD, PASS),	X00001340
	7.5%	UNIT=#SCRTC,	X00C01350
		SPACE=&FSPACE,	X00001360
		DCB=(RECFM=BF,LRECL=80,BLKSIZE=1600)	00001370
			00001380
//SYSIN	2	DSM=&#KEEL,DISP=(OLD,DELETE)</td><td>00001390</td></tr><tr><td></td><td>1</td><td></td><td>00001400</td></tr><tr><td>//SYSUT1</td><td>2</td><td>UNIT=#SCRTC, SPACE=(CYL, (2,2))</td><td>00001410</td></tr><tr><td></td><td>:</td><td></td><td>00001420</td></tr><tr><td>710015</td><td>3</td><td>UNITERSURICE STACE = (CTL, (Z.2))</td><td>00001430</td></tr><tr><td>//SYSTERM</td><td>00</td><td>X 100 00</td><td>00001450</td></tr><tr><td>***************************************</td><td>: !</td><td></td><td> 00001460</td></tr><tr><td>//LKED EX</td><td>EXEC</td><td>PGM=&LPROG, REGION=&LREG, TIME=<IME,</td><td>X00001470</td></tr><tr><td></td><td></td><td>COND=((4.LT.FORT), (8.LT.SAIL), (8.LT.PLANK)).</td><td>204 + 4000</td></tr><tr><td></td><td></td><td></td><td>X00001480</td></tr></tbody></table>	

DD 584=1118FELTER EBA_LRECL=133.BLKSIZE=1330) DD 584=1118FELTER DISP=SHR DD DSH=#FLIBPETLE DISP=SHR DD DSH=#FLIBPETLE DISP=SHR DD DSH=#A1609ET (ALMAME), UNIT-#SCRTC, SPACE=(1024, (200,20)) DD DSH=#A1609ET (ALMAME), SPACE=#4008ET (ALMAME), DD DSH=#A16040ET (A.LT.FORT), (B.LT.SALL), (B.LT.PLAME) DD DSH=#A16040ET (A.LT.FORT), (B.LT.SALL), (B.LT.PLAME) DD DSH=#A16040ET (A.LT.FORT), (B.LT.SALL), (B.LT.PLAME) DD DSH=#A1614040ET (A.LT.FORT), (B.LT.SALL), (B.LT.PLAME) DD DSH=#A1614040ET (A.LT.FORT), (B.LT.SALL), (B.LT.PLAME) DD UNIT-#SCRTC, SPACE=#4004KSP, DD UNIT-#SCRTC, SPACE-#4004KSP, DD UNI	*//			000
SLIB DD DSM=#LIBPREILE DISP=SHR DD DSM=#LIBPREILE DISP=SHR DD DSM=#LIBPREILE DISP=SHR DD DWIT=#SCRIC, SPACE=(1024, (200,20)) SLHOD DD DSM=#ALGOSE (*LWAME), UMIT=#SCRIC, SPACE=(1024, (200,20)) SLHOD DD DSM=#ALGOSE (*LWAME), DISP=(*ASS), SPACE=#GOSPACE COND=(*A,LYED.SYS,LHOD,TIME=#ATHE REGION=#AREG, COND=(*A,LYED.SYS,LHOD,TIME=#ATHE REGION=#AREG, COND=(*A,LYED.SYS,LHOD,TIME=#ATHEREP) DSFOOT DD DSM=#AREELI,DISP=(OLD,REEFP) DSFOOT DD DSM=#AREELI,DISP=(OLD,REEFP) DSFOOT DD DSM=#AREELI,DISP=(OLD,REEP) DSFOOT DD DSM=#AREELI,DISP=(OLD,REEP) DSFOOT DD DSM=#AREELI,DISP=(OLD,REEP) DSFOOT DD DWIT=#SCRIC, SPACE=#ADORSP, DISP="WEL.DATA" DSFOOT DD UNIT=#SCRIC, SPACE=#ADORSP, DISP="WEL.DATA" DISP="WEL.DA	/SYSPRINT	00		x00001510
DD DSW=ALLBPREALIB.DISP=SHR DD DSW=AFLIB.DISP=SHR DD DSW=ALLBPREALIB.DISP=SHR DD DSW=ALGOSET(3.PR=(1024,(200,20)) DD DSW=ALGOSET(3.LMAME), UMIT=85CRTC, DISP=(.PASS), SPACE=4608PACE DD DSW=ALGADSET,DISP=(0LD,DELETE) COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW=AKREG, COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW=AKREG, COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW=AKREG, COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW=AKREG, COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW=AKREG, COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW=AKREG, COND=((4,LT,LKED.SYSLMOD,TIME=ARTIME,REGIOW) DD DSW=**KEEL.DATA DD DWTT=\$SCRTC, SPACE=AUGRKSP, DISP=**KEEL.DATA DD UMIT=\$SCRTC, SPACE=**URKSP, DISP=***KEEL.DATA DD UMIT=\$SCRTC, SPACE=***URKSP, DISP=***KEEL.DATA DD UMIT=\$SCRTC, SPACE=***URKSP, DISP=***KEEL.DATA DD UMIT=\$SCRTC, SPACE=***URKSP, DISP=***KEEL.DATA DD UMIT=\$SCRTC, SPACE=***URKSP, DISP=***URLSP, SPACE=***URKSP, DISP=***URLSP, DISP=**URLSP,			DCB=(RECFM=FBA,LRECL=133,BLKS1ZE=1330)	00001520
DD DUNIT=SSCRIC, SPACE=(1024, (200,20)) DD DSN=316DSET(3LMAME), UNIT=SSCRIC, SPACE=(1024, (200,20)) DD DSN=316DSET(3LMAME), SPACE=460SPACE DD DSN=316DADSET, DISP=(0Lb, DELETE) DD DSN=316LADSET, DISP=(0Lb, DELETE) DD DSN=316CALDSTSTSLNOD, TIME=3XTIME, REGION=3XREG, COND=((4,LT, LKED), (4,LT, FORT), (8,LT, SAIL), (8,LT, PLAMK)) DD DSN=316CELDSTSTSLNOD, DISP=(0LD, KEEP) DD DSN=316CELDSTSTSLNOD, DISP=(0LD, KEEP) DD DNHT=3SCRIC, SPACE=310RKSP, DISP=(MEU, DELETE), DD UNIT=3SCRIC, SPACE=410RKSP, DISP=(MEU, DELETE), DD UNIT=3SCRIC, SPACE=440RKSP, DISP=(MEU, DELETE), DD UNIT=45CRIC, SPACE=440RKSP, DISP=(MEU, DELETE), DD UNIT=45CRIC, SPACE=440RKSP, DO UNIT SPACE, DO UNIT	15YS/	00		00001540
DD DSW= 1160SET(2,SPACE=(1024,(200,20)) DD DSW= 1160SET(1,MAME), UNIT= 1160SET(1,MAME), UNIT= 1160SET(1,MAME), UNIT= 1160SET(1,MAME), EXEC PGM= 1160SET(1,MAME), EXE	,	2		00001550
DD DSN=42605E(4LAMAE), DD DSN=42605E(4LAMAE), DISP=(*PASS), SPACE=460SPACE DD DSN=424005E(1,D1SP=(OLD,DELETE) CECC FGN=**LKED.SYSLMOD,TIME=48TIME,REGION=3KREG, COND=((4,LT,LKED),(4,LT,FORT),(8,LT,SAIL),(8,LT,PLAMK)) DD DSN=42KEEL.DATA,D1SP=(OLD,KEEP) DD DSN=43KEELI,D1SP=(OLD,DELETE) DD SNN=43KEELI,D1SP=(OLD,KEEP) DD DSN=43KEELI,D1SP=(OLD,KEEP) DD DNHT=48CRTC, SPACE=440RKSP, DD UNIT=48CRTC, SPACE=440RKSP, DSP=(KEL,DATA) DD UNIT=48CRTC, SPACE=440RKSP, DSP=(KEL,DATA) DD UNIT=48CRTC, SPACE=440RKSP, DSP=(KEL,DATA) DD UNIT=48CRTC, SPACE=440RKSP, DSP=(KEL,DATA) DD UNIT=48CRTC, SPACE=440RKSP, DSSPACE=440RKSP, DSSPACE-440RKSP, D	• '			00001260
DD DSW-21509ET(31MAME), UNII-15SCRTC, DISP=(.PASS), SPACE=4605PACE DD DSN-21CADDSET,DISP=(OLD,DELETE) COND=((4,LT,LKED,SYSLMOD,TIME-18CT)OH=3KREG, COND=((4,LT,LKED,SYSLMOD,TIME-28TIME,REGIOH=3KREG, COND=((4,LT,LKED,SYSLMOD,TIME-28TIME,REGIOH=3KREG, DD DSN-21KELL,DISP=(OLD,KEEP) DD DSN-21KELL,DISP=(OLD,KEEP) DD DSN-21KELL,DISP=(OLD,KEEP) DD DSN-21KELL,DISP=(OLD,KEEP) DD DNHT-25CRTC, SPACE-24URKSP, DD UNIT-25CRTC, SPACE-24URKSP, SPACE-24URKSP, DD UNIT-25CRTC, SPACE-24URKSP, SPACE-	/SYSUT1	20		00001570
DD DSN=\$1800SE7(\$LMAME), UNIT=\$CRTC, UNIT=\$CRTC, UNIT=\$CRTC, DD DSN=\$100DE7(\$LMAME), DD DNIT=\$100DE7(\$LMAME), DD UNIT=\$100DE7(\$LMAME), DD UNIT=\$100DE7(\$LMAME), DD UNIT=\$100DE7(\$LMAME), DD UNIT=\$100DE7(\$LMAME), DD UNIT=\$10DE7(\$LMAME, DD UNIT=\$1	•//			00001280
UNIT=\$SCRTC, DISP=(,PAS), SPACE=\$cospace DD DSN=\$\$LoadsET,DISP=(OLD,DELETE) EXEC FOM=(KED.SYLND,TINE=\$XTINE,REGION=\$XREG, COND=((4,LT,LKED),(4,LT,FORT),(8,LT,SALL),(8,LT,PLANK))) DD DSN=\$XREEL,DISP=(OLD,DELETE) DD DSN=\$XREEL,DISP=(OLD,DELETE) DD DNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,DELETE), DD UNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,DELETE), DG UNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,DELETE), DG UNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,DELETE), DG UNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,BELETE), DD UNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,BELETE), DG UNIT=\$SCRTC, SPACE=\$LORKSP, DISP=(WEU,BELETE), DD UNIT=\$SCRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$SCRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$SCRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$SCRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$CRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$CRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$CRTC, SPACE=\$CORKSP, DISP=(WEU,BELETE), DD UNIT=\$CRTC, SPACE=\$CORKSP, DD UNIT=\$CRTC, DD UNIT=\$CRTC, DD UNIT=\$CRTC, DD UNIT=\$CRTC, DD UNIT \$CRTC, DD UNIT \$CRTC, DD UNIT \$CRTC, DD U	/SYSLMOD	00		X00001590
DISP=(,PASS), SPACE=&GGSPACE DD DSN=&&LGGSPACE DD DSN=&&LGGSPACE COND=((4,LT,LKED), (4,LT,FORT), (8,LT,SAIL), (6,LT,PLANK)) DD DSN=&&XEEL.DATA,DISP=(OLD,REEP) DD DSN=&&XEELL.DATA,DISP=(OLD,REEP) DD DSN=&&XEELL.DATA,DISP=(OLD,REEP) DD DSN=&&XEELL.DATA,DISP=(OLD,REEP) DD DNIT=&SCRTC, SPACE=&UGRKSP, DISP=(MEU,DELETE), DCB=**KEEL.DATA DD UNIT=&SCRTC, SPACE=&UGRKSP, DISP=(MEU,DELETE), DCB=**KEEL.DATA DD UNIT=&CRTC, SPACE=&UGRKSP, DISP=(MEU,DELETE), DCB-**KEEL.DATA DD UNIT=&CRTC, SPACE=&UGRKSP, DCB-**KEEL.DATA DD UNIT&**CRTC, SPACE=&UGRKSP, DCB-**KEEL.DATA DD UNIT&**CRTC, SPACE=&UGRKSP, DCB-**KEEL.DATA DD UNIT&**CRTC, SPACE=&UGRKSP, DCB-**KEEL.DATA DC	,		UNIT=&SCRTC,	x00001600
EXEC PGM=#1LGADSET, DISP=(OLD, DELETE) EXEC PGM=#1LKED.SYSLMOD, TIME=#XTIME, REGION=#XREG, COND=((4,LT,LKED), (4,LT,FORT), (8,LT,SAIL), (8,LT,PLAMK)) DD DSM=#XREEL.DATA,DISP=(OLD,KEEP) DD DSM=#XREEL.DATA,DISP=(OLD,KEEP) DD DSM=#XREEL.STATION,DISP=(OLD,KEEP) DD DSM=#XREEL.STATION,DISP=(OLD,KEEP) DD UNIT=#SCRTC, SPACE=#UORKSP, DISP=(NEU,DELETE), DS UNIT=#SCRTC, SPACE=#UORKSP, DS UNIT #SCRTC, SPACE #UORKSP, DS UNIT	,		DISP=(,PASS),	X00001610
DD DSN=1210ADSET, DISP=(OLD, DELETE) EXEC FOH=*.LKED.SYSLMOD, TIME=EXTINE, REGION=3KREG, COND=(4,LT,LKED), (4,LT,FORT), (8,LT,SALL), (8,LT,PLANK)) DD DSN=5XKEEL.DATA,DISP=(OLD,KEEP) DD DSN=3XKEELI,DISP=(OLD,BELETE) DD DSNAME:*.KEEL.DATA DD DNIT=\$SCRTC, SPACE=\$UORKSP, DD UNIT=\$SCRTC, SPACE=\$UORKSP, DD UNI	,		SPACE=4605PACE	■ 00001620
DD DSN=##LOADSET,DISP=(OLD,DELETE) EXEC PGN=*.LKED.SYSLMOD,TIME=#XTIME,REGION=#XREG, COND=((4,LT,LKED),(4,LT,SALL),(8,LT,PLAMK)) DD DSN=*.KEEL.DATA,DISP=(OLD,KEEP) DD DSN=#XEELL,DISP=(OLD,BELETE) DD DSNAME=*.KEEL.STATION,DISP=(OLD,KEEP) DD UNIT=#SCRTC, SPACE=#URKSP, SPACE=#URKSP, SPACE=#URKSP, DD UNIT=#SCRTC, SPACE=#URKSP, SPACE#URKSP, SPACE=#URKSP, SPACE#URKSP, SPACE#URKSP, SPACE#URKSP,	• '			00001630
EXEC PGH=+.LKED.SYSLMOD,TIME=&KTIME,REGIOH=&KREG, COND=((4,LT,LKED),(4,LT,FORT),(8,LT,SALL),(8,LT,PLAMK)) DD DSN==*.KEEL.DATA,DISP=(OLD,KEEP) DD DSNAHE=*.KEEL.STATION,DISP=(OLD,KEEP) DD UNIT=&SCRTC, SPACE=*URKSP, DISP=(NEU,DELETE), DSPACE=*.KEEL.DATA DD UNIT=&SCRTC, SPACE=*.KEEL.DATA DD UNIT=&SCRTC, SPACE-*.KEEL.DATA DD UNIT&&SCRTC, SPACE-*.KEEL.DATA DD UNIT&&SCRTC, SPACE-*.KEEL.DATA DD UNIT&&SCRTC, SPACE-*.KEEL.DATA DD UNIT&&SCRTC, SPACE-*.KEEL.SATA DD UNIT&&SCRTC, SPACE-*.KEEL.SATA DD UNI	/SYSLIM	00		00001640
EXEC PGN=*.LKED.SYSLMOD,IINE=&KIINE,REGION=&KREG,	/*/	-		-+ 00001650
DD DSM==&KEEL.DATA,DISP=(OLD,KEEP) DD DSM==&KEEL.DATA,DISP=(OLD,KEEP) DD DSM=&&KEEL.DATA,DISP=(OLD,KEEP) DD DSM=&&&KEEL.DATA DD UNIT_&SCRTC, SPACE=&UORKSP, DSP (WW.DELETE), DD UNIT_&SCRTC, SPACE=&UORKSP, SPACE=&UORKSP, DD UNIT_&SCRTC, SPACE S		EXEC		x00001660
DD DSN==*KEEL.DATA,DISP=(OLD,KEEP) DD JKP1, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DD DSNAARE=*KEEL.STATION,DISP=(OLD,KEEP) DD UNIT-\$SCRTC, SPACE=*UORKSP, DD UNIT-\$SCRTC, SPACE-*UORKSP, DD U	,		COND=((4,LT,LKED),(4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK	0 00001670
DD DSN=*.KEEL.DATA,DISP=(OLD,KEEP) DD JKP1, DCB=(RECFN=FBA,LRECL=133,BLK512E=1330) DD DSNAME=*.KEEL.STATION,DISP=(OLD,KEEP) DD UNIT=4SCRTC, SPACE=4URKSP, DCB=*.KEEL.DATA DD UNIT=4SCRTC, SPACE=4URKSP, SPACE=4URKSP, SPACE=4URKSP, DD UNIT=4SCRTC, SPACE=4URKSP, SPACE-4URKSP, SPACE-				00001980
DD DSW=14KEELI,DISP=(OLD,DELETE) DD J&RPI, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DD DSWAME=*KEEL.STATIOM,DISP=(OLD,KEEP) DD UNIT=18CRTC, SPACE=10RKSP, DISP=(WEU,DELETE), DCB=*KEEL.DATA DD UNIT=18CRTC, SPACE=10RKSP, DISP=(WEU,DELETE), DCB=*KEEL.DATA DD UNIT=18CRTC, SPACE=10RKSP, DSP=*KEEL.DATA DD UNIT=18CRTC, SPACE=10RKSP, DSP=*KEEL.DATA DD UNIT=18CRTC, SPACE=10RKSP, DO UNIT=18CRTC, SPACE=10RKSP, DO UNIT=18CRTC, SPACE=10RTA DD UNIT=18CRTC, SPACE=10RTA	/FT04F001	00		00001690
DD DSW=BAKEELI,DISP=(OLD,DELETE) DD BAKPI, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DD DSWAME=*.KEEL.STATION,DISP=(OLD,KEEP) DD UNIT=\$SCRIC, SPACC=*UDRKSP, DISP=(NEU_DELETE), DCB=*.KEEL.DATA DD UNIT=\$SCRIC, SPACC=*UDRKSP, DSP=*.KEEL.DATA DD UNIT=\$SCRIC, SPACC=*UDRKSP, DSP=*.KEEL.DATA DD UNIT=\$SCRIC, SPACC=*UDRKSP, DSP=*.KEEL.DATA DD UNIT=\$SCRIC, SPACC=*UDRKSP, SPACC=*UDRKSP, DD UNIT=\$SCRIC, SPACC=*UDRKSP, SPACC-*UDRKSP, SPACC-*U				00001200
DD BXP1, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DD DSNAME=*KEL.STATION,DISP=(OLD,KEEP) DD UNIT=&SCRTC, SPACE=&UDRKSP, DISP=(MEU_DELTE), DCB=*KEL.DATA DD UNIT=&SCRTC, SPACE=&UDRKSP, DSP=(WEU_DELTE), DD UNIT=&SCRTC, SPACE=&UDRKSP, DSP=(WEU_DELTE), DD UNIT=&SCRTC, SPACE=&UDRKSP, DD UNITE&SCRTC, SPACE	/FT05F001	00		00001710
DD DSWAME:* KEEL.STATION, DISP=(OLD, KEEP) DD UNIT &SCRTC, SPACE & WORKSP, DSP (WEW, DELETE), DS UNIT &SCRTC, SPACE & WORKSP, DISP (WEW, DELETE), DS UNIT & SCRTC, SPACE & WORKSP, DISP (WEW, DELETE), DS UNIT & SCRTC, SPACE & WORKSP, DISP (WEW, DELETE), DS UNIT & SCRTC, SPACE & WORKSP, DISP (WEW, DELETE), DS UNIT & SCRTC, SPACE & WORKSP, DISP (WEW, DELETE), DS UNIT & SCRTC, SPACE & WORKSP, DISP (WEW, DELETE), DS UNIT & SCRTC, SPACE & WORKSP, DS WORT & SCRTC, SPACE & WOR		1		00001720
DD DSMAHE'S "KEEL.STATION, DISP=(OLD, KEEP) DD UNIT-BSCRIC, SPACE BUORKSP, DISP=(MEW, DELETE), DCB=*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DCB=*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DCB=*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DISP=(MEW, DELETE), DCB=*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DCB=*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DCB-*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DCB-*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, SPACE BUORKSP, DCB-*KEEL.DATA DD UNIT-BSCRIC, SPACE BUORKSP, DCB-*KEEL.DATA DCB-*KE	/FT06F001	00		X00001730
DD DSWAHE **.KEEL.STATION, DISP=(OLD, KEEP) SPACE & BUORKSP, DSPACE & BUORKSP, DD UNIT & SCRTC, SPACE & LOATA SP	. :)CB=(RECFM=FBA,LRECL=133,BLKS1ZE=1330)	00001740
DD UNIT 4SCRTC, SPACE & WORKSP, DISPECRETE DATA DD UNIT 4SCRTC, SPACE & WORKSP, DO UNIT 4SCRTC, SPACE &				00710000
DD UNIT=\$SCRIC, SPACE=&UORKSP, DISP=NEW, DELETE), DCB=*KEEL.DATA DD UNIT=\$SCRIC, SPACE=&UORKSP, DISP=(NEW, DELETE), DCB=*KEEL.DATA DD UNIT=\$SCRIC, SPACE=&UORKSP, DISP=(NEW, DELETE), DISP=(NEW, DELETE), DGB=*KEEL.DATA DD UNIT=\$SCRIC, SPACE=&UORKSP, DISP=(NEW, DELETE), DGB=*KEEL.DATA	10046014	20		00001720
SPACE ALORKSP, DISP = (NEU, DELETE), DO UNIT = SCRTC, SPACE ALORKSP, DISP = (NEU, DELETE), DO UNIT = SCRTC, SPACE ALORKSP, DISP = (NEU, DELETE), DO UNIT = SCRTC, SPACE = LORKSP, DISP = (NEU, DELETE), DO UNIT = SCRTC, SPACE = LORKSP, DO UNIT = SCRTC, SPACE = LORKSP, DO UNIT = SCRTC, SPACE = LORKSP, DO UNIT = SCRTC, SPACE = LORTA DO UNIT = SCRT	VFT10F001	00	UNIT = SCRIC.	X00001780
DISPE(NEW, DELETE), DD UNIT=\$SCRTC, SPACE=\$MORKSP, DISPE(NEW, DELETE), DO UNIT=\$SCRTC, SPACE=\$MORKSP, DISPE(NEW, DELETE), DO UNIT=\$SCRTC, SPACE=\$MORKSP, DISPE(NEW, DELETE), DO UNIT=\$SCRTC, SPACE=\$MORKSP,	,	:	SPACE	X00001790
DD UNITESCRIC, SPACE=BUORKSP, DISP (WELL DATA DD UNITESCRIC, SPACE=BUORKSP, DISP=(WELL DATA DD UNITESCRIC, SPACE=BUORKSP, DD UNITESCRIC, SPACESBUORKSP, DD UNITESCRIC, SPACESBUORKS	,		DISP=(WEU, DELETE).	X00001800
DD UNIT-\$SCRTC, DD UNIT-\$SCRTC, DCB==*KEEL.DATA DD UNIT-\$SCRTC, SPACE=\$UDRKSP, S	,		DCB=*.KEEL.DATA	00001810
DD UNIT=SCRIC, SPACE=BUORKSP, DISP=WEL, DAIA DD UNIT=SCRIC, SPACE=BUORKSP, DISP=(NEW, DELETE), DSP=(NEW, DSPERE), DSP=(NEW, DSPERE), DSP=(NEW, DSPERE),	•/			00001820
SPACE=AUORKSP, DISP=(NEU, DELETE), DD UNIT=ASCRIC, SPACE=AUORKSP, DISP=(NEU, DELETE), DD UNIT=ASCRIC, SPACE=AUORKSP, DISP=(NEU, DELETE), DSP=(NEU,	/FT11F001	00	UNIT=#SCRTC.	X00001830
DISP=(WEU, DELETE), DD UNIT=\$SCRIC, SPACE=\$UORKSP, DISP=(WEU, DELETE), DCB=0.KEEL.DATA DD UNIT=\$SCRIC, SPACE=\$UORKSP, DISP=(WEU, DELETE), DO UNIT=\$SCRIC, SPACE=\$UORKSP, DISP=(WEU, DATA) DD UNIT=\$SCRIC, SPACE=\$UORKSP, DISP=(WEU, DELETE), DO UNIT=\$SCRIC, SPACE=\$UORKSP,	,		SPACE=\$WORKSP.	X00001840
DD UNIT-BSCRIC, SPACE=BUORKSP, BISPE(NELETE), DCB=0.KEEL.DATA DD UNIT-BSCRIC, SPACE=BUORKSP, DISPE(NELETE), DCB=0.KEEL.DATA DD UNIT-BSCRIC, SPACE=BUORKSP, DISPE(NELETE), DCB=0.KEEL.DATA DD UNIT-BSCRIC, SPACE=BUORKSP, DISPE(NELETE), SPACE=BUORKSP, SPACE-BUORKSP, SPACE-BUORK	,		DISP=(NEW, DELETE),	X00001850
DD UNITESCRIC, SPACE & LORKS, DISPENDEDETED, DCB = 8. KEEL DATA DD UNITESCRIC, SPACE & LORKS, DCB = 8. KEEL DATA DD UNITESCRIC, SPACE & LORKS, DD UNITESCRIC, SPACE & LORKS, SPACE	,		DCB=*.KEEL.DATA	00001860
DD UNIT=BSCRIC, SPACE=BUORKSP, DISF=(NEW, DELETE), DISF=(NEW, DELETE), SPACE=BUORKSP, DISP=(NEW, DELETE),				00001870
SPACE=BUORKSP, DISP=(NEW, DELETE), DCB=*.KEEL.DATA DD UNIT=BSCRIC, SFACE=BUORKSP, DISP=(NEW, DELETE), DCB=*.KEEL.DATA DD UNIT=BSCRIC, SPACE=BUORKSP, DISP=(NEW, DELETE), DISP=(NEW, DELETE), DISP=(NEW, DELETE), DISP=(NEW, DELETE), DISP=(NEW, DELETE),	/FT14F001	00	UNIT=\$SCRIC.	X00001880
DISP=(NEW, DELETE), DCB=*.KEEL.DATA DD UNIT=\$SCRIC, SFACE=*MEW, DELETE), DCB=*.KEEL.DATA DD UNIT=\$SCRIC, SPACE=*UORKSP, DISP=*MEU_DELETE), DISP=*MEU_DELETE),	,		SPACE = \$40RKSP.	X00001890
DD UNIT=&SCRIC, DP UNIT=&SCRIC, SPACE=&UORKSP, DISP=(MELLETE), DCB==.KEEL.DATA DD UNIT-&SCRIC, SPACE=*UORKSP, DISP=KWIDEREFE),	,		DISP=(NEW, DELETE),	X00001900
DD UNIT-ASCRIC, SPACE-AUGREGE, DISPE-(MEU, DELETE), DCB-*-KEEL.DATA DD UNIT-ASCRIC, DISPE-WURKSP, DISPERED DELETE),	,		DCB==.KEEL.DATA	00001910
DD UNIT=&SCRIC, SPACE=&WORKSP, DISP=(NEW, DELETE), DCB=*.KEEL.DATA DD UNIT=&SCRIC, SPACE=#UORKSP, DISP=(NEW, DELETE),				00001920
SPACE-AUGRKSP, DISP=(MEU, DELETE), DCB=*.KEEL.DATA DD UNIT=\$SCRIC, SPACE=\$UORKSP, DISP=(MEU, DELETE).	/FT21F001	00	UNIT=4SCRTC.	x00001930
DISP=(MEU, DELETE), DCB=+,KEEL,DATA DD UNIT=&SCRIC, SPACE=#UORKSP, DISP=(MEU DELETE).	,		SPACE = AUGRKSP.	X00001940
DCB==.KEEL.DATA DD UMIT=BSCRIC, SPACE=BUORKSP, DISPEREFE;	,		DISP=(WEU, DELETE),	X00001950
DD UMIT-BSCRTC, X X DISPERATURETE).	,		DCB=*.KEEL.DATA	00001960
DD UNITESCRIC. SPACE=BUORKSP. A DISP - WELL DEFETS).	•			00001970
SPACE=BUORKSP, DISP=(WELDELTE).	/FT44F001	00	UNIT=#SCRTC,	X00001980
	,		SPACE = #UORKSP.	X00001990
			DISP=(WEW.DELETE).	x00002000

```
X00000110
X00000110
X00000120
X00000130
X00000140
                                                                                                                                                                                                                                                                                                                      X00000160
X00000170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X00000390
                                                                                                                                                                                                                                                                                                                                                                                                          X0000030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X00000300
01020000
                                  (00002040
                                                           00002000
                                                                       00002070
                                                                                                                                                                                                                                                                                                                                              X00000180
                                                                                                                                                                                                                                                                                                                                                          X00000190
                                                                                                                                                                                                                                                                                                                                                                      x00000200
                                                                                                                                                                                                                                                                                                                                                                                  X00000210
                                                                                                                                                                                                                                                                                                                                                                                              x00000220
                                                                                                                                                                                                                                                                                                                                                                                                                       X00000240
                                                                                                                                                                                                                                                                                                                                                                                                                                   X00000250
                                                                                                                                                                                                                                                                                                                                                                                                                                                X00000260
                                                                                                                                                                                                                                                                                                                                                                                                                                                            X00000270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   x00000290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X00000310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X00000320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X00000330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X00000340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           x00000320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X00000340
           00000000
                      <000002030
                                              <000002050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X00000280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  x00000370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X00000380
                                                                                             EXEC KEEL, GEND= '.V105', FPARN='NDSDURCE, TERM',
PSI='SYSOUT=H,HOLD=YES', PSZ='SYSOUT=H,HOLD=YES',
FPI='SYSOUT=H,HOLD=YES',LPI='SYSOUT=H,HOLD=YES',
KPI='SYSOUT=H,HOLD=YES',KTIME=!,LIBPRE='AF2001.',
DIDPRE='AF2001.',PPI='SYSOUT=H,HOLD=YES',PTIME='(0,10)'
PROC LIBPRE='SAIL',
                                                                                                                                                                                                                                                                                                                                                                                                                                            LTIME='(0,45)',
KEELSP='(CYL,(10,5),RLSE)'
                                                                                                                                                                                                                                                                                                                      FSPACE= (CYL, (10,5), RLSE) '
FTIME= ((1,0)',
                                                                                                                                                                                                                                                                                                                                                   GENO='(0)',
GOSPACE='(CYL,(20,5,1))',
                     DD UNIT=1SCRIC,
SPACE=240RKSP,
DISP=(WEW, DELETE),
DCB=*.KEEL.DATA
                                                                                                                                                                                                                                  CREG=100K,
FLIB='SYS1.FORTLIB'
                                                                                                                                                                                                                                                                                                           FP1='SYSOUT=A',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KP1= SYSOUT=A',
 ULB=*.KEEL.DAIA
                                                                                                                                                                                                                                                                                                                                                                                                                                   LP1='SYSOUT=A',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KTIME='(2,0)',
                                                                                                                                                                                              LIBUOL=,
CHNBLK=3521,
CHNLRL=3517,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OLDPRE= SAIL.
                                                                                                                                                                                                                                                                                  FPROG=IFEAAB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PP1= SYSOUT = A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OLDVOL=,
PPROG=PLANK,
                                                                                                                                                                                                                                                                                                                                                                                              LPARM= 'MAP',
                                                                                                                                                                                                                                                                                                                                                                                                         LPROG=IEUL.
                                                                                                                                                                                                                                                                                                                                                                                  LNAME=KEEL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRCN=5000,
PRCL=3644,
                                                                                                                                                                                                                                                                                               FREG=512K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KREG=512K.
                                                                                                                                                                                                                                                                       FPARM=HAP.
                                                                                                                                                                                                                                                                                                                                                                                                                        LREG=250K,
                                                                                                                                                                                                                                                                                                                                               GENO= (0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OLDDS=SHR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OLD-HULL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OLDDCB=,
                                                                                                                                                                                      LIBU=,
                         //FT45F001
                                                                                                                                                             ++KEEL
```

PITAE-(1,0), PRESENCE OF STATE (1,0), PRESENCE (1,0), PRESENCE OF STATE (1,0), PRESENCE (1,0), PRESENCE OF STATE (1,0), PRESENCE (1,			1001-1144	
### PSI= SYSOUT-A', ### PSI= SYSOT-A', #### PSI= SYSOT-A', ##### PSI= SYSOT-A', #### PSI= SYSOT-A', #### PSI= SYSOT-A', ##### PSI= SYSOT-A', #### PS			- AFEG - 100m	
*** PS2=SYSOUTA*, *** SAILBLEBOO, *** SAILBLEBOO, *** SAILBLEBOO, *** SAILBLEBOO, *** STRGE=AIL, *** STRGE, *** STRGE=AIL, *** STRGE=AIL, *** STRGE=AIL, *** STRGE=AIL, ** STRGEAIL, *** STR		:	FIINE (1,0).	X00000X
*** \$\frac{8}{8} = \$\		:	PS1= 'STS001=A',	X00000430
*** SAIL BLE*BOO, *** SAIL BLE*BOO, *** SCRCESTSA, *** SCRCESTSA, *** SCRCESTSA, *** STATE = (2.0). *** STATE = (3.0). *** STAT		:	PSZ='SYSOUT=A',	X00000440
*** \$\$A1R=80, *** \$\$RTC=\$Y\$DA, *** \$\$RROB=A11, *** \$\$RROB=A21, *** \$\$RROB=A21, *** \$\$ITME=(C_2,0), *** \$\$PACE=(TRK,(5,5),RLSE), *** \$\$PACE=(TRK,(5,5),RLSE), *** \$\$PACE=(TRK,(5,2),RLSE), *** \$\$PACE=(TRK		:	SAILBLK=800,	X00000450
*** SCRGE-SYSDA, *** SPRGG-SALI, *** SREGE-175K, *** STEE = (2.0.', 5.3). *** UNKSPE-(2.0.', 6.3). *** UNKSPE-(2.0.', 6.3). *** UNKSPE-(2.0.', 6.3). *** UNKSPE-(2.0.', 6.3). *** STSIM *** DD DUMHY *** STSIM *** STSIM *** STSIM *** DD SWH-ZENCEL-320, BLKSIZE=1224), *** STSIM		:	SAILR=80,	X00000460
*** SRGG=SA1L, *** SRGG=SA1L, *** STAME (-7.20). **		:	SCRIC=SYSDA,	X00000470
*** SREG178K, *** STRE='(2.0)', *** STRE='(2.0)', *** WIND WIND WARE SECTION=3CREG ***SYSDII DD DUMAY ***SYSDII DD DUMAY=1MPUT ***SYSDII DD DUMAY=2CRECF=9.BLKSIZE=1600) ***		:	SPROG=SAIL,	X00000480
*** SITME=(12,0)* *** UDRKSP=(CTL,(5,5))* **** UDRKSP=(CTL,(5,5))* **** STREEL ***STSTNI DD DUMNY ***STSUI1 DD DUMNNY ***STSUIN DD		:	SREG=175K,	X00000490
### WORKSP='(CYL, (5,5))' ***KEEL ***KEEL ***SYSTRINT DD DUNNY ***SYSUIT DD DUNNY ***SYSUIT DD DUNNAE-INPUT ***SYSUIT DD DSN-A-ALIBPRE ALIB ***SYSUIT DN DSN-A-ALIBPRE ALIB ***SYSUIT DN DSN-A-ALIBPRE ALIB ***SYSUIT		:	STIME= ((2,0)'.	X00000500
**************************************		:	UORKSP= (CYL. (5.5))	00000510
KEEL EXEC PGM=1EBGENER, REGION=3CREG **SYSPRINT DB DUNAM' **SYSUT2 DB DUNAME=INPUT **SPACE=(TR, (5,2), RCL=80, BLKSIZE=1224), // XEEL.DATA DB DSN=AF2001.HULL.STATIP3, UNIT=SYSDA, DISP=(NEU, CATLG), // SPACE=(CT, (4,4)) // XEEL.STATION DB DSN=AZPOO1.HULL.STATIP3, UNIT=SYSDA, DISP=(NEU, CATLG), // SPACE=(CT, (4,4)) // XEEL.DATA DB DSN=AZPOO1.HULL.STATIP3, UNIT=SYSDA, DISP=(NEU, CATLG), // SPACE=(CT, (4,4)) // XEEL.DATA DB DSN=AZPOO1.HULL.STATIP3, UNIT=SYSDA, DISP=(NEU, CATLG), // SPACE=(TR, (5,5), RCSC) * *** *** *** *** *** *** *** *** *				* 00000520
SYSRINT DD DUMMY **SYSTRINT DD DUMMY **STEEL DATA DD DSM-AFZOO1.HULL.PROBIP3.UNIT=SYSDA,DISP=(MEU,CATLG), **SPACE=(CTL,(20,20))=-220,BLKSIZE=7224), **SPACE=(CTL,(20,20))=-220,BLKSIZE=7224), **NEEL.IMPUT DD SM-AFZOO1.HULL.STATIP3.UNIT=SYSDA,DISP=(MEU,CATLG), **SPACE=(CTL,(4,4)) **NEEL.IMPUT DD SM-AFZOO1.HULL.STATIPS.UNIT=SYSDA,DISP=(MEU,CATLG), **SPACE=(CTL,(4,4)) *OUNIT=&LIBPRE&LIB, ***OUNITEDOO1	•	193		00000530
++5YSIN ++5YSIN ++5YSIN ++5YSIN ++5YSIN ++5YSII D DDNAME INPUT ++5YSII D DDNAME INPUT ++5YSII D DSN-82KEEL; ++				00000540
++5YSU12 DD DSR=48KEELI, ++5YSU12 DD DSR=48KEELI, ++5YSU12 DD DSR=48KEELI, ++ STSU12 DD DSR=48KEELI, ++ SPRCE=(TRK, (5,5), RLSE), ++ SPACE=(TRK, (5,5), RLSE), ***	, ,			00000550
++5YSUT2 DD DSM-REKELI, ++5YSUT2 DD DSM-REKELI, +++ SPACE (TRK, (5,5,RLSE), +++ SPACE (TRK, (5,5,RLSE), -++ DEB (RECFREFBLRECL-B0,BLKSIZE=1400) // KEEL. DATA DD DSM-AFZOO1.HULL. PROBIP3.UNIT=SYSDA,DISP=(NEW,CATLG), SPACE (CYL, (20,20)) // KEEL.STATION DD DSM-AFZOO1.HULL. STATIP3.UNIT=SYSDA,DISP=(NEW,CATLG), // SPACE (CYL, (20,20)) // KEEL.INPUT DD # +++FIFPLIB DD DSM-ALIBPRE &LIB, UNIT=&LIBU, ++ UNIT=&LIBU, +	0 ^			000000000000000000000000000000000000000
++++++++++++++++++++++++++++++++++++++				X0000570
+++				X00000580
+++ SPACE=(TRK, 5,5), RLSE), -++		: :		X000005
++ DCB=(RECFM=FB,RECF=80,BLKS1ZE=1600) //KEEL_DATA DD DSM=AF2001.HULL.PROBIP3.UNI=SYSDA,DISP=(NEU,CATLG), // SPACE=(CYL,020.20) //KEEL.STATION DD DSM=AF2001.HULL.STAT1P3.UNIT=SYSDA,DISP=(NEU,CATLG), // SPACE=(CYL,(4,4)) //KEEL.IMPUT DD		::	SPACE (TRK. (5.5). RLSE).	X0000000X
// KEEL.DATA DD DSN=AF2001.HULL.PROBIP3,UNIT=SYSDA,DISP=(NEW,CATLG),		:	DCB=(RECFM=FB,LRECL=80,BLKS1ZE=1400)	000000
// KEEL.DATA DD DSN=AF2001.HULL.PROBIP3,UNIT=SYSDA,DISP=(NEW,CATL6),		***		* 00000620
// DCB=(RECFN=UBS,LRECL=7220,BLKSIZE=7224), // SPACE=(CY1,(20,20)) //KEEL.STATION DD DSN=AF2001.HULL.STATIP3,UNIT=SYSDA,DISP=(NEU,CATLG), // SPACE=(CY1,(4,4)) //KEEL.INPUT DD # ++PLANK EXEC PGH=2PPR06,TINE=3PTIME,REGION=3PREG ++*STEPLIB DD DSN=&LIBPRE&LIB, ++	٥	//KEEL.DATA DD	DSN=AF2001. HULL. PROBIP3.UNIT=SYSDA, DISP=(NEW.CATLG)	00002140
// SPACE=(CTL,(20,20)) //KEEL.STATION DD DSN=AF2001.HULL.STATIP3,UNIT=SYSDA,DISP=(NEW,CATLG), // SPACE=(CTL,(4,4)) //KEEL.IMPUT DD # ++PLANK EXEC PGM=2PPROG,TIME=3PTIME,REGION=3PREG *** **STEPLIB DD DSN=&LIBPRE&LIB, *** *** *** *** *** *** *** *		// DCB=(RE		00002150
// KEEL.STATION DD DSW=AF2001.HULL.STATIP3,UNIT=SYSDA,DISP=(NEW,CATLG),		// SPACE=(CYL, (20,20))	00002160
// DCB=(RECFN=UBS,LRECL=7220,BLKSIZE=7224), // SPACE=(CTL,(4,4)) //KEEL.IMPUT DD * ++PLANK EXEC PGN=2PPROG,TIME=3PTIME,REGION=3PREG ++STEPLIB DD DSN=2LIBPREALIB, ++ UNI=2LIBU, ++ UNI=2LIBU, ++ TOÓFOOI DD DSN=2AKEELI,DISP=(OLD,PASS) *** ++FTOÓFOOI DD DSN=2AKEELI,DISP=(OLD,PASS) *** ++FTOÓFOOI DD DSN=2AREELI,DISP=(OLD,PASS) ++ DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) *** ++FTOÓFOOI DD DSN=2AALII, ++ DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1600) *** ++FTOÓFOOI DD DSN=2AALII, ++ DCB=(RECFN=FB,LRECL=80,BLKSIZE=1600) ***			9	. 00002170
// SPACE=(CYL,(4,4)) //KEEL.INPUI DD * ++PLANK EXEC PGM=1PPROG, TIME=1PTIME, REGION=1PREG *** ++STEPLIB DD DSN=1LIBU, ++		// DCB=(RE	CFM=VBS,LRECL=7220,BLKSIZE=7224),	00002180
//KEEL.INPUT DD * **PLANK EXEC PGM=1PROG, TIME=1PTIME, REGION=1PREG **STEPLIB DD DSN=1BPREALIB, *** *** *** *** *** *** ***		// SPACE=(CYL, (4,4))	00002190
++PLANK EXEC PGM=1PPRO6, TIME=1PTIME, REGION=1PREG +++	_	//KEEL.INPUT D	• 0	00002200
++STEPLIB DD DSN-\$LIBPRE\$LIB, +++	2		PGM=2PPROG, TIME=2PTIME, REGION=3PREG	000000
++STEPLIB DD DSN-\$LIBPRE\$LIB, ++		:		000000
++ UNIT=&LIBU, ++ VOL-&LIBVOL, ++ F105F001 DD DSN=&&KEELI,DISP=(OLD,PASS) ++ F106F001 DD DSN=&&ALII, ++ F107F001 DD DSN=&&ALII, ++ DISP=(NEW,PASS), ++ DISP=(NEW,PASS), ++ DISP=(NEW,PASS), ++ DISP=(NEW,PASS), ++ DISP=(NEW,PASS), ++ DISP=(NEW,PASS), ++ COMD=(RK,6,5),RLSE), ++ SPACE = (TRK,6,5),RLSE), ++ COMD=(R,LT,PLANK) ++ COMD=(R,LT,PLANK) ++ COMD=(R,LT,PLANK)	2			X000000X
++		:	UNIT=&LIBU,	09900000X
++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++		:	VOL=&LIBVOL,	X000000X
*** **FT05F001 DD DSN=2&KEELI,DISP=(OLD,PASS) *** **FT06F001 DD 2&P1, *** *** *** *** *** *** ***		:	DISP=SHR	00000080
++FT05F001 DD DSN=&&KEELI,DISP=(OLD,PASS) *** ++FT06F001 DD &PP1, ++ DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) *** ++FT07F001 DD DSN=&&ALII, ++ DNIT=&SCRIC, ++ SPAECE(TRK,(5,5),RLSE), ++ SPAECE(TRK,(5,5),RLSE), ++ COND=(B,LT,PLANK) *** ++SAIL EXEC FGH=&SFR06,TIME=&STIME,REGION=&SREG, *** ++SAIL EXEC FGH=&STIME,REGION=&SREG, *** ++SAIL EXEC PGN=&BLIB.		***		06900000
++FT06F001 DD 28PP1, ++FT07F001 DD DSN=22ALT1, ++FT07F001 DD DSN=22ALT1, ++ DISP=(NEW,PASS), ++ SPACE=(TR,'(5,5),RLSE), ++ SPACE=(TR,'(5,5),RLSE), ++ DCB=(RECFN=FB,LRECL=80,BLKSIZE=1600) ++ DCB=(RECFN=FB,LRECL=80,BLKSIZE=1600) ++ COND=(B,LT,PLANK) ++ COND=(B,LT,PLANK) ++ COND=(B,LT,PLANK)	+			0000000
++ + + + + + + + + + + + + + + + + + +		***		00000010
++ DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) ++ DISP=(NEU,PASS), ++ UNIT-45CRTC, ++ SPACE=(TRK,(5,5),RLSE), ++ SPACE=(TRK,(5,5),RLSE), ++ BCB=(RECFN=FB,LRECL=80,BLKSIZE=1600) ++ BCBE(RECFN=FB,LRECL=80,BLKSIZE=1600) ++ BCBE(RECFN=FB,LRECL=1600) ++ BCBE(RECFN=FB,LRECTN=1600) ++ BCBE(RECFN=FB,LRECTN=16000) ++ BCBE(RECFN=FB,LRECTN=16000) ++ BCBE(RECFN=FB,LRECTN=16000) ++ BCBE(RECFN=FB,LRECTN=160000) ++ BCBE	2			X00000720
+++ DISM=EARLII, ++ DISP=(MEU/PASS), ++ UNIT-13CRTC, ++ SPACE-(TR,(5,5),RLSE), ++ DCB=(RECFM=FB,RECL=80,BLKSIZE=1600) ++* DCB=(RECFM=FB,RECL=80,BLKSIZE=1600) ++* DCB=(RECFM=FB,RECL=80,BLKSIZE=1600) ++* DCB=(RECFM=FB,RECL=80,BLKSIZE=1600) ++* DCB=(RECFM=FB,RECL=80,BLSE) ++* COMD=(B,LT,PLANK) ++* COMD=(B,LT,PLANK) ++* COMD=(B,LT,PLANK)		:	DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	00000030
++FT07F001 DD DSN=4&ALII, ++ DISP=(NEW,PASS), ++ SPACE=(TR,(5,5),RLSE), ++ DCB=(RECFN=FB,LRECL=80,BLKSIZE=1600) ++* SAIL EXEC PGN=4SPR06.TINE-4STINE,REGION=4SREG, +++ COND=(8,LT,PLANK) ++* ***		::		000000
++ DISP=(WEW,PASS), ++ SPACE=(TRK,(5,5),RLSE), ++ DCB=(RECFM=FB,LRECL=80,BLKSIZE=1600) ++* BCB=(RECFM=FB,TRE=180,BLKSIZE=1600) ++* COND=(8,LT,PLANK) ++* COND=(8,LT,PLANK) ++* STEPLIB DD DSM=#LIBPRE#LIB.	9			X00000X
++ UNIT=&SCRTC, ++ SPACE=(TRK,(5,5),RLSE), ++ DCB=(RECFM=FB,LRECL=80,BLKSIZE=1600) ++SAIL EXEC PGM=&SPROG.TIME=&STIME,REGION=&SREG, ++ COND=(8,LT,PLANK) ++STEPLIB DD DSM=&LIBPRE&LIB.		:	DISP=(NEW, PASS),	X00000X
++ SPACE=(TRK,(5,5),RLSE), ++ DCB=(RECFN=FB,LRECL=80,BLKSIZE=1600) ++*AAIL EXEC PGN=\$SPROG.TINE=\$STIME,REGION=\$SREG, ++ ++********************************		:	UNIT=\$SCRTC,	X00000X
++ DCB=(RECFM=FB,LRECL=80,BLKSIZE=1600) ++SAIL EXEC PGM=&SPR0G,TINE=&STIME,REGION=&SREG, +++ COND=(8,LT,PLANK) +++ T DD DSW=&LIBPRE&LIB.		:	SPACE=(TRK, (5,5), RLSE),	X00000X
++SAIL EXEC PGH=2SPROG_TIME=3STIME, REGION=3SREG, ++ COND=(8,LT,PLANK) ++ ++ COND=(8,LT,PLANK) +++ COND DSW=2LIBPPR2LIB.		:	DCB=(RECFM=FB, LRECL=80, BLKSIZE=1600)	06200000
++SAIL EXEC PGM=\$SPROG,TINE=\$STIME,REGION=\$SREG, ++ ++ ++ ++ ++* ++SAIL DD DSM=\$LIBPREALIB.		***		* 00000800
++ COND=(8,LT,PLANK) +++ ++STEPLIB DD DSW=&LIB.	1			X00000810
+++STEPLIB DD DSW=&LIBPRE&LIB.		:	COMD=(8,LT,PLANK)	00000820
++STEPLIB DD DSX=\$LIBPRE\$LIB.				00000830
	80	++STEPLIB DD	DSN=\$LIBPRE\$LIB,	X00000840

P.Link

	;			OCHO0000X
	: :		101 11910	07000000
	:		VUL = ELIBVUL,	0000000
	:		DISKESHK	0/80000
;	:	1		0880000
6	++FT01F001	2	DUMMY	06800000
	:			00600000
20	++FT02F001	2	DSN=10LDPRE10LD1GENO,	X00000010
	:		UNIT=20LDU,	X000000X
	:		LABEL=(&FILO,&LABO,,IN),	X00000930
	:		DISP=10LDDS,	X0000004
	:		VOL = 10LDVOL.	X000000X
	:		BCB-: 20LDBCB	09600000
	:			0000000
21	++FT03F001	2	UNIT=#SCRTC,	X00000980
	:		DISP=(NEW, DELETE),	06600000X
	:		DCB=(RECFN=UBS, LRECL=&CHNLRL, BLKSIZE=&CHNBLK),	X00001000
	:		SPACE = (TRK, (20,20))	00001010
	::			00001020
22	++FT04F001	9	4PS2,	X00001030
	:		DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)	00001040
	:			00001020
23	++FT05F001	2	DDNAME=IMPUT	00001000
	:			00001020
54	++FT06F001	00	1PS1,	X00001080
	:		DCP*(RECFM=FBA,LRECL=133,BLKSIZE=1330)	00001000
	:			00001100
25	++FT08F001	2	DSM-88KEEL,	X00001110
	:		DISP=(NEU, PASS),	X00001120
	:		UNIT=1SCRTC,	X00001130
	:		SPACE=1KEELSP,	X00001140
	:		DCB=(RECFN=FB,LRECL=&SAILR,BLKSIZE=&SAILBLK)	00001120
	:			00001160
56	++FT09F001	9	DSM=28ALTI,DISP=(OLD,DELETE)	00001170
	::			00001180
27	++FT10F001	00	UNIT= SCRTC,	X00001190
	:		DISP=eNEU, DELETE),	X00001200
	:		SPACE=(APRCL, (APRCN))	00001210
	:	1		03001220
87	++11111001	00	DUMNY	00001230
		1		00001240
56	++FT12F001	2	DD DUMMY	00001250
	***	:		* 00001260
30	//SAIL.INPUT		* 00	00002410
31	*	8	GENERATED STATEMENT	
32	+++ OK	EXEC	PGM=STPROG, KEGION=STREG, PAKM= STPAKM, , INE STILLE,	X000012/0
	:		COND=((8,LT,PLANK),(8,LT,SAIL))	00001280
	:			00001290
33	++SYSPRINT	9	LFP1,	X00001300
	:		DCB=(RECFN=FBA, LRECL=133, BLKSIZE=1330)	00001310
	***	1		00001320
31	++SYSLIN	2	DSM=##LOADSET,	X00001330

:			
		UNIT=#SCRTC.	X00001350
:		SPACE=2FSPACE.	X00001360
:		DCB=(RECFM=3F_LRECL=80.BLKS1ZE=1600)	00001370
:			00001380
35 ++SYSIN	00	DSW=33KEEL.DISP=(OLD.DELETE)	00001390
			00001400
36 ++SYSUT1	00	UNIT=1SCRIC, SPACE=(CYL, (2,2))	00001410
:			00001420
37 ++SYSUT2	20	UNIT=1SCRIC, SPACE=(CYL, (2,2))	00001430
:			00001440
38 ++SYSTERM	2	DUNNY	00001420
***		₩ } }	00001460
39 ++LKED	EXEC	PGM=&LPROG, REGION=&LREG, TIME=<IME,	X00001470
:		COND=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK)),	X00001480
:		PARH= . &LPARH	00001490
:			00001200
40 ++SYSPRINT	17 00	11.P1,	X00001510
:		DCB=(REmm2FBA,LRECL=133,BLKSIZE=1330)	00001520
:			00001230
++SYSL18	00	DSN=11BPRE11B,DISP=SHR	00001540
:	2	DSN=&FLIB, DISP=SHR	00001550
:		•	00001560
++SYSUT1	8	UNIT=#SCRTC, SPACE=(1024, (200,20))	00001570
:		•	00001580
++SYSLMOD	9	DSN=\$\$60SET(\$LMAME),	X00001590
:		UNIT=#SCRTC,	X00001600
:		DISP=(,PASS),	X00001610
:		SPACE=#60SPACE	00001620
::			00001630
++SYSLIN	2	DSN=\$\$LOADSET,	00001640
0944	27.5		X00001440
:		COND=((4.17.1KED) (4.17.FORT) (8.17.SAT)) (8.17.PLANK))	00001620
:			00001680
++FT04F001	11 00	DSM=+.KEEL.DATA.DISP=(OLD.KEEP)	00001690
:			00001700
++FT05F001	00 -	DSN=\$#KEELI,DISP=(OLD,DELETE)	00001710
:			00001720
++FT06F001	2	DD 8KP1,	X00001730
:	-	DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330)	00001740
::			00001750
50 ++FT09F001	1 00	DSNAME=+.KEEL.STATION,DISP=(OLD,KEEP)	00001760
:			00001770
++FT10F001	1 00	UNIT=85CRTC,	X00001780
:		SPACE=&UORKSP,	X00001790
:		DISP=(NEU, DELETE),	X00001800
:		DCB=*.KEEL.DATA	00001810
:			00001820
++FT11F001	1 00		X00001830
•			

	:		DISP=(NEW.DELETE).	
	:		DCR=# KFF1 DATA	
	:			
2	++FT14F001	1	UNIT=1SCRIC.	
	:	1		
	:		DISP=(NEU, DELETE),	
	:		DCB=+.KEEL.BATA	
	:			
	++FT21F001	2	UNIT-1SCRTC.	
	:			
	:		DISP=(NEW, DELETE),	
	:		DCB=*.KEEL.DATA	
	:			
67	++FT44F001	2	UNIT=#SCRTC.	
	:		SPACE=2UORKSP.	
	:		DISP=(NEU, DELETE),	
	:		DCB=*.KEEL.DATA	
	**			
•	++FT45F001	2	UNIT=\$SCRTC.	
	:		SPACE=\$WORKSP.	
	:		DISP=(NEW. DELETE).	
	:		DCB=+.KEEL.DATA	
	:			

X00001850 00001860 X00001880 X00001890 X00001910 X00001950 X00001950 X00001950 X00001990 X00001990 X0000200 X0000200 X0000200 X0000200 X0000200 X0000200 X0000200

GENERATING KEEL Disk version

KEEL RUN

SOLIDS - NO STRENGTH EQUATION OF STATE -

ATHOSPHERE -

CONSTANT VELUME AND ENERGY FLUXING THE FOLLOWING OPTIONS WERE DEFINED BY PLAMK.

							2		•					2	2	160		9-					-	_									
"	"	n	"	"	"	"	**	Ħ	"	"	"	"	Ħ	"	n	"	n	"	"	"	н	**	"	*	u	**	u	"	**	"	n	н	11
ATMOS	BURN	3000	DIMEN	E03	6EOM	TOH	IMAX	ISLAND	JHAX	XMMX	LBUFA	LBUFB	MAGFLD	METHOD	Ŧ	MHIC	£	MOP	MHIST	MPLPB	MPP	NROUPB	MSTM	NVARST	RAD	REZONE	STRESS	SURF	ns	SUX	VISC	LAMB	BBOUND

TUO

KEEL PULL PULL VOIDS FLUXER BEPOS FAIL STRAIN WORK FIREIN MAT AIR FE

THE FOLLOWING DEFINITIONS OR REDEFINITIONS WERE MADE DURING EXECUTIVE PROCAJJAMZNA

6489 CARDS GENERATED
END OF NORMAL RUN
SYSTEM HULL , VERSION
CREATED 19MAY78

100

经批准

建

UELEIE A KELIAMBL X2 = 1.0000000E+00 Y1 = -8.0000010E+00 Y2 = 0.0 3.816498E+00 GMS 7.800115E+09 ERGS IMSERTED AS MATERIAL 1

FE = 2 GENERATE A RECTANGL OF MATERIAL 2 X1 = 0.0 X2 = 1.0000000E+00 Y1 = -8.0000010E+00 Y2 = 0.0 1.975430E+02 6MS 5.759959E+13 ERGS INSERTED AS MATERIAL 2 CONCRT = 3 GENERAL B GENERAL B GENERAL B χ_2 = 0.0 χ_2 = 9.999990E+00 6.908410E+03 GMS 5.396512E+12 ERGS IMSERTED AS MATERIAL 3

LOCATIONS OF STATIONS GENERATED ARE ...

	STATION	-	×	n	0.0	Y.	11	-8.000001E+00	
	STATION	7	×	*	0.0	4		-7.000001E+00	
	STATION	~	×	11	0.0	4	"	-5.000001E+00	
	STATION	•	×	II	0.0	4		-3.000001E+00	
	STATION	'n	Š	"	0.0	Y.	11	-1.000000E+00	
	STATION	•	×	"	0.0	4	"	0.0	
	STATION	~	×	**	0.0	4	**	5.000001E-01	
	STATION	•	×	11	0.0	4		1.000000E+00	
	STATION	•	×	**	0.0	4	**	2.000001E+00	
	STATION	2	×	*	0.0	4	*	3.000001E+00	
	STATION	=	×	**	0.0	4	*	4.000001E+00	
	STATION	12	×	11	0.0	4	**	5.000001E+00	
	STATION	13	×	11	0.0	۲	#	6.000001E+00	
	STATION	=	×	11	0.0	٦		7.000001E+00	
	STATION	15	×	*	0.0	4	**	8.000001E+00	
	STATION	16	×	**	0.0	Y	**	9.000001E+00	
	O PARTICLES	LES	3		16 STATIONS	GENERATED	2	160	
ILK									
PROB		1.29	666	92	1.299999237060550+00	7	Ξ	4114CCCC00000000	
ATHOS		5.00	8	š	5.000000000000000000000000000000000000	7	×	4150000000000000	

A TANK

	0-0	
FLUXER	1 0000000000000000000000000000000000000	417000000000000000
GEOM	200000000000000000000000000000000000000	412000000000000000000000000000000000000
TMAX	2.0000000000000000000000000000000000000	421400000000000000
10	10+000000000000000000000000000000000000	421100000000000000000000000000000000000
TCI AND	0.0000000000000000000000000000000000000	000000000000000000000000000000000000000
INA	4 000000000000000	422800000000000000000000000000000000000
	1 9000000000000000000000000000000000000	422200000000000000000000000000000000000
HOR	0.0	000000000000000000000000000000000000000
LREF	0.000005147557590-79	000000100000000
METHOD	2.0000000000000000000000000000000000000	4126000000000000
MLC	0.0	0000000000000000
HTH	0.0	000000000000000
I	2.0000000000000000000000000000000000000	421400000000000000
MHIC		436400000000000000
MHIST	6.000000000000000000000	416000000000000000000000000000000000000
===		413000000000000000
MOP	1.6000000000000000000000000000000000000	421000000000000000
MPP	3.000000000000000000000000000000000000	413000000000000000
MROUPB	4.00000000000000D+00	414000000000000000
MSTW	1.6000000000000000000000000000000000000	4210000000000000000000
NVARST	1.600000000000000001	42100000000000000
PISTOP	6.0000000000000D+02	43258000000000000
RADLOS	0.0	000000000000000
REZONE	1.0000000000000000001	411000000000000114
RREF	0.0	0000000000000000
STABF	5.000000000000000000000000000000000000	4080000000000000
STRAIN	1.00000000000000000001	41100000000000000
STRESS	1.0000000000000000000000000000000000000	411000000000000000000000000000000000000
SUME	0.0	000000000000000
_	0.0	000000000000000
TERAD	0.0	000000000000000
TLC	0.0	000000000000000
TREF	0.0	0000000000000000
TTINE	0.0	000000000000000
115TOP	1.0000000000000000000000000000000000000	42640000000000000
UREZ	1.0000000000000D+01	41 4000000000000000
VISC	0.0	0000000000000000
VREZ	1.000000000000000001	41A000000000000000000000000000000000000
VOIDS	0.0	0000000000000000
UORK	0.0	0000000000000000
X1	4.00000000000000D+00	41400000000000000
X2	-1.000000000000000000000-1-	C1100000000000000000000000000000000000
80x	0.0	0000000000000000
Y1	8.000000000000000000000000000000000000	4180000000000000
Y2	3.2000000000000000000000000000000000000	4220000000000000
YGND	0.0	000000000000000
YIELD	0.0	000000000000000
AIR	1.0000000000000D+00	41100000000000000000
FE	2.0000000000000D+00	41200000000000000
The second second		

INDIVIDUAL MASS SUMS 3.817519E+00 1.975430E+02 6.911145E+03

	7	5.0000000E-01	-04 5.0000000E-01 -9.00000095E+00	5.0000000E-01		5.0000000E-01		•,	+00 5.00000000E-01 -6.00000095E+00	5.0000000E-01	5.00000000E-01	5.00000000E-01	5.00000000E-01	5.00000000E-01	5.00000000E-01	5.00000000E-01	5.0000000E-01	5.00000000E-01	5.0000000E-01	5.00000000E-01	5.00000000E-01 -9	1 5.00000000E-01	5.00000000E-01 9	1 5.00000000E-01 1	1 5.00000000E-01	5.00000000E-01	5.00000000E-01	2.00000000E-01	5.00000000E-01 3	1 5.00000000E-01	1 5.00000000E-01	2.00000000E-01	1 5.00000000E-01	1 5.00000000E-01	5.00000000E-01 6	1 5.00000000E-01	5.00000000E-01 7	-01 5.00000000E-01 8.4999905E+00
	AMX	4.81055118E-04	4.81055118E-04	4.81055118E-04	4.81055118E-04	,		.,	3.08660889E+00	3.08660889E+00	m	2	m	~	~	3.08660889E+00	۳,	3.08660889E+00	3.08660889E+00	3.08660889E+00	3.08660889E+00		8.63936663E-0	8.63936663E-0					-							8.63936663E-0	8	8.63936663E-01
	RHO	1.2249969E-03	1.2249969E-03	1.2249969E-03	1.2249969E-03	7,85998631E+00	7.85998631E+00	7.85998631E+00	7.85998631E+00	7.85998631E+00	7.85998631E+00	7.85998631E+00	7.85998631E+00	7.85998431E+00	7.85998631E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2 9999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00	2.19999695E+00						
0.500	XIA	2.04400205E+09	2.04400205E+09	2.04400205E+09	2.04400205E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	1.26792499E+09	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.8099916BE+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08	7.80999168E+08
0.500 DX(I)=	>	0.0	0.0	0.0	0.0	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	7.62000312E+05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X(1)=	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	•
-	7	-	2	m	•	9	•	7	80	6	01	:	12 (13	-	15	16	17 6	18	19 0					24 0									33 0			3 98	37

是一种

.

1

			DARZYCES Z LOARZY COS Z L	SARITA	1 -9.500E-02	2 -9.000E-02			5 L -7.500E-02		7				7	12 -4.000E-02			1				_			22 L 1.000E-02						-				33 L 6.500E-0Z		35 7.3008-02		37 2	39.2006.	00827547010807754761	12343070431234307043	001	
																																										STATIONS/DUST/PARTICLES	(1- 20)		
	AL LITUDE	METERS	9.500E-02	9.000E-02	8.500E-02	8.000E-02	7.500E-02	7.000E-02	6.500E-02	6.000E-02	5.500E-02	5.000E-02	4.500E-02	4.000E-02	3.500E-02	3.000E-02	2.500E-02	2.000E-02	1.300E-02	1.000E-02	0 5775 0	5 0005-03	1 0005-02	1.500E-02	2.000E-02	2.500E-02	3.000E-02	3.500E-02	4.000E-02	4.500E-02	5.000E-02	3.300E-02	0.000E-02	2 000E-02	7 5005-02	8 000F-02	8 500F-02	9.000F-02	0 5005-02	1.000E-01				ALTITUDE	
1 2	A867.24 TC 10007.24 TC 1	010/00/10/10/10/10/10/10/10/10/10/10/10/	- ****************	2 ****************************	- ++++++++++++++++ £	- +++++++++++++++++++++++++++++++++++++	•	'	•	- ************* 8	- ******* 6	- ************************************	- ************************************	12 XX+++++++++++++++++++++++++++++++++++	- +++++++++++++++ £1					++++++++++++++++					-							31 0900900000000000000000000000000000000	32 000000000000000000000000000000000000								1 2			,	

PROBLEM 1.3 CYBER 176 KEEL RUN

BATCH CREATED 88/16/78 TODAY IS 88/16/78 AUTOMATIC BULLETIN TO BATCH JOBS +

	* *	SYSBULL				* SYSBULL CONTENTS
87.578	*	STATUS	1	1	1	AVAILABILITY STATUS OF ALL SYSTEMS
8/ 8/78	*	MEMMET	,	1	1	CM AND ECS FIELD MANAGEMENT
7/31/78	*	NASTRAN	i	1	1	INFORMATION FOR USERS OF NASTRAN
7/18/78	*	CONTACT	i	1	1	WHO TO CONTACT ABOUT COMPUTER PROBLEMS
7/14/78	×	MODS	i	1	1	PEATURES ADDED TO CDC NOS/BE
7/14/78	*	CMECMGT	i	1	1	CM AND ECS FIELD LENGTH MANAGEMENT
6723778	*	PLECS	,	1	ı	STRUCTURED PROGRAMMING PRE-PROCESSOR FOR FIN
6/20/78	*	LETTER	1	1	1	APIUL COMPUTER CENTER NEWSLETTER *
6/14/78	*	ASPL 18	i	!	1	AFUL COMMON MATH LIBRARIES *
5/16/78	*	CLASS	,	1	1	CLASSES FOR USERS OF AFUL COMPUTER CENTER
5/8/78	×	ACCESS	,	1	ī	HOW TO OBTAIN AN AFUL /KAFB COMPUTER ACCOUNT
5/ 4/78	*	CONF16	,	1	i	SYSTEMS CONFIGURATION *
5/ 4/78	*	EXPD 1TE	1	1	1	AFWR CUSTOMER SERVICE (EXPEDITOR)
5/ 1/3	*	PRICRTY	ı	1	i	JOB CARD PRIORITY CODES
42478	*	BILLING	,	1	i	AFW. COMPUTER BILLING INFORMATION *
472173	*	DIALUP	1	1	ï	
4/19/78	*	INTRO		1	ı	BASIC INTRODUCTION TO KAFB COMPUTER CENTER
4/18/78	*	DUMPS		1	ı	STANDARD PROCEDURES FOR ERROR DUMPS
4/14/78	*	TITLE	,	1	ı	MICRUFICHE VISUAL TITLE GENERATION *
4/11/78	*	REQUEST	i	1	i	STANDARD PROCEDURES FOR REQUESTING TAPES
4/ 6/78	×	PLOT	,	1	ı	DEVICE INDEPENDENT PLOT SYSTEM -METAPLOT-
3/31/78	*	ACCOUNT	1	1	1	ACCOUNT CARD FORMAT.
3/38/78	*	PFRULES	1	!	1	LOCAL RULES FOR CATALOGING FILES
3/38/78	×	BACKUP	,	1	ſ	PERMANENT FILE BACKUP PROCEDURES *
3/38/78	*	PRMF 1LE	1	1	ſ	PERM FILE ACCOUNTING AND BACKUP SYSTEMS
1	*	LABEL	1	1	1	AFUL LABELLED TAPE PROCESSING *
3/ 9/78	*	FR88	i	1	1	288 SIMULATION VIA FR88
37 9778	*	COMPILE		1	ŧ	FTN COMPILER CHANGES AND RELEASES
3/8/78	¥	AFSCNET	,	1	ı	INFORMATION ABOUT AFSCNET
3/ 7/78	*	METAGUE	,	1	1	AUTOMATIC DISPOSITION OF META PLOT FILES
2/18/78	*	SWITCH	1	1	1	NEW INTERCOM PHONE SWITCH
1717778	*	DIFFER	1	1	ŧ	DIFFERENCES IN NOS/BE FROM 6600 TO CYBER 176 *
1/ 4/78	*	DISSTIP	1	1	ŧ	DISSPLA TECH. INFO. PROGRAMMING SUGGESTIONS *
18/ 3/77	¥	DISSFLA	i	1	ŧ	A NEW USER ORIENTED PLOTING PACKAGE
	ajakak	MONOCHON HONOR	ckokoko	**	***	******
	ckokok-)	**************************************	okokoko	***		SYSTEM LIGINS ************************************
8/16/78	*	BUDGETAR	ت خ	SNC	IDE	8UDGETARY CONSIDERATION FOR FY 79: 176 CHARGES WILL GO UP BY ABOUT 15%. *
8/16/78	*	REVIEW.	516	7	P	REVIEW, SIGN AND RETURN TAPE INVENTORY LISTINGS BEFORE 21 AUGUST 1978.
8/16/78	*	+++++	LASH	Σ	ESS	4GE +++++ CYBER RECORD MANAGER ANALYSIS CLASS HAS BEEN *
8/16/78	*	1 ++++	HAN	SED	2	CHANGED TO AUG 28-30. ALL CLASS MEMBERS TAKE NOTE ++++ FLASH +++ *
8/16/78	**	** NOTIC	H	0 0	UND	** NOTICE TO CONTRACTORS ** CONTRACTOR WORK AREA IN ROOM 118 OF BLDG
8/16/78	×	412 WILL	S	1 8	C	412 WILL NOT BE AVAILABLE AFTER 28 AUG 78. THIS WILL BE THE NEW
8/16/78	**	PCAM AREA.	æ	7	EASI	PLEASE REMOVE ALL LISTINGS OR CARD DECKS STORED THERE.
8/16/78	*					*
		Section of the Party of the Par	-14000		STATE OF THE PARTY	

DEFINED BY		n	60	-	2	ı v		4 0	50	28	0	45	} -	٠.	9 0	20.0	5) (2)	2	29	1600	2	1000	9	2	2	4	16	15	60	-		0	· 02	. –	. 60	69	60	80	8	60	60	เจ	60	60		60	60	m	1	21	۸
OPTIONS WERE													0								u			u					и																						
ructowING	-	HIMOS	BURN	CODE	DIMEN	FUS	200	CEO!	HOT	IMBX	ISLAND	TMOX	2007	2	LEGIL	LBUFB	MAGFLD	THOD I	Ŧ	SHIC	¥	d DN	TSIHN	NPLPB	NPD	HROUPB	NESN	NVARST	RAD	REZONE	STRESS	SURF	175	XI.R	VISC	LAMB	BBOUND	LBOUND	KEEL	PULL	110	V	DEPOS	FAIL	STRAIN	LIDRK	FIREIN	THE	AIR	FE .	CONCRI
7	ŀ																																																		

FRUB 1.3000 IS NOT ON THE LIBTAPE ON A KEEL RERUN + KEEL RUN + + + + + + + + + + + + + + + + + + +		SOLIDS - NO STRENGTH
KEEL		S
S S S S S S S S S S S S S S S S S S S		IDS -
IRST		SOL
3.4	EQUATION OF STATE -	
NO C	70	1 10
202	AT TO	OTMISSHERE -
188 198 198	EQU	d F
ONT IN		
TRUB T WILL C KEEL RUN + +		
Z - +	+++	

CONSTANT VOLUME AND ENERGY FLUXING

| International Control of the contr

THE FOLLOWING DEFINITIONS OR REDEFINITIONS WERE MADE DURING EXECUTIVE PROCESSING + 175

176		4							-	רט	5	m	-			-	9	16	-	2	œ	89	16888	18	2883	3828	-	-	60		-	21	12	13	15	17	14	15	16	18	S	-	258	250	5886
,		"		п						11						15		я		11			"						n			n	"		н			u	"	и				u	
5	0 .	VEN	MOSBE	P.	5,14	a1 11 ac.	1000	מיובר ום	KUU L	DENSHUL	DENSL 18	DENSSTA	LABEL	DATE	CONTROL	CDC	MBI	CIN	32	RDEND	CARDL	CARDO	NHEC	NBLKS	NPIC	NP ICMBX	STRAIN	STRESS	DEBUG	FILMPR	F 101	DENAMER	DENHUEB	DENAMEB	DENAMED	DENAMEB	DENAMEC	DENAMEC	DENAMED	DENAMEC	DENAMED	A IREUS	NIM.	MIM	NITA

		Cot soccocococococo	1.88888888888888888	es .	1. 88688888888888E +8:	o a	4. 8888888888888E+88	- I. BBBBBBBBBBBBE+BB	œ,	B. BREBBBBBBBBBBE +BB	3.28888888888E+81	. 6	00.000000000000000000000000000000000000	agt accordance accordance	2 PARABABABABABABA 5																														
		901311	UREZ UREZ	V15C	VPEZ	Sains	×	22	80x	7.	2	יופאס	יוברט סיים	K 113	TOUND																														
		36 1 2 36 1 36 1 36 1 36	1722588888888888888888888888888888888888	вевере вереверевере	1728488888888888888888888888888888888888	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	1721488888888888888888888888888888888888	16655274516784382142	888888888888888888888888888888888888888	172268888888888888888	988888888888888888888888888888888888888	000000000000000000000000000000000000000	170100000000000000000000000000000000000	022000000000000000000000000000000000000	172459898989898888888888888888888888888888	172446999999999999999999999999999999	89888888888888888888888888888888888888	1725588888888888888888888888888888888888	17254788888888888888	888888888888888888888888888888888888888	CONTROL OF THE PROPERTY OF THE PARTY OF THE	1721488888888888888888888888888888888888		1704119999999999999999999999999999999999	17326288888888888888888888888888888888888	1722688888888888888888888888888888888888	172168888888888888888	вавиверереверере	1721488888888888888	172248888888888888	986989888888888888888888888888888888888	1723746969696969696	PARABABABABABABABABABABABABABABABABABABA	1728488888888888888888888888888888888888	388888888888888888888888888888888888888	1717488888888888888	1728488888888888888888888888888888888888	1728488888888888888888888888888888888888	вававивававававава		авававананананананана	вававававававававава	889888888888888888888888888888888888888	9888888888888888	анавававававававава
# 100000 CE 11	INIO CONCRETE	Sepandandandands	5. 88888888888888E+28	ø.	1. 9889898989888E+88	o co	2. 8888888888888E+68	1.8885883843888E-88	œ.	6.888888888888888888	9.	3. 096060606060606E-02	2 2000000000000000000000000000000000000	act negative and a second of the	2.88888888888888888	1.988888888888E+81	co.	4.888888888888E+81	3.988888888888E+61	6		2. Basabasabasabasa +eB		0 2000000000000000000000000000000000000	1. 699999999999986493	6.80838888888888E+88	3.898888888888E+88	æ.	2.88888888888888E+68	4. 8888888888888E+88	.00	1. Seeseggeggggggggggggggggggggggggggggggg	5. Subsequedes de tez	1.88888888888888888	9.	5.88888888888888E-81	1.888888888888E+88	1.88888888888888 +88	. cz	z a		. 60	.00	œ,	
+ + + + + + + + + + + + + + + + + + +	SIEEL PENEIRHIUK INIU LUNCKEIE +	ZBLK	ATTOS	DREF	CODE		DIMEN	10	ELC	503	H.L.	DATA CO	03/2/2	GEOM	X	0.	ISLAND	SPRX	50	HOB	16		2	E 7): T	T-ST-FR	¥	d Du	a.a.z	HROLLPB	7.52	15887	50 1048	REZONE	RREF	ST48F	STRAIN	STRESS	SUME	TEBBD	TLE	TREF	1114	111111111111111111111111111111111111111	TIPE

A State

KEEL DUTPUT

	×		1.50000000E+00	3.8888888E+88	4.5888888E+88	6.8888888E+88	7.50000000E+00	9.00000000E+00		>		-8.58888888E+88			-4.00000000E+00	-2.58688888E+88	-1. BBBBBBBBE+88		2. BURBBBBBE+88	3.58888888E+88	5. BEBBBBBE+BB	6.5000000E+00	8.83868888E+88	9.58688888E+68	
	X		5.00000000E-91	5.6966666E-81	5.0000000E-01	5.8888888E-81	5.0000000E-01	5.8988888E-81		70		5.83888888E-81	5.00000000E-01	5.0000000E-01	5.8888888E-81	5.8488888E-8;	5.88588888E-81	5.8888888E-81	5.88888888E-81	5.89868886E-81	5.88888860E-81	5.88888888E-81	5.00000000E-01	5.00000000E-01	
	•-		M	9	σ	12	15	13		7		M	9	σ	12	15	18	21	24	27	38	33	38	39	
	×		1.8888888E+88	2.5000000E+00	4. 8888888E+88	5.5000000E+00	7.00000000E+00	3.5000000000000000000000000000000000000	1,00000000E+31	>		-9. BBBBBBBBE+6B	-7. SBBBBBBBE +08	-6.88888888E+88	-4.5888888E+88	-3.00000000E+00	-1.50000000E+00	a.	1. SBBBBBBBE +08	3.0000000E+00	4.58888888E+88	6. BRBBBBBBBE +BB	7.5888888E+88	9.00000000E+00	
	X		5.8888888E-81	5.8888888E-81	5.0000000E-01	5.88888888-81	5.8888888E-81	5.00000000E-01	5.0000000E-01	Ad		5.8888888E-81	5.88888888E-81	S. BBBBBBBBE-B:	5.0000000E-01	5.888888885-81	5.8888888E-01	5.0000000E-01	5.88888888E-81	5.888888888-81	5.888888888-81	5.8888888E-81	5.8888888E-81	5.8988888E-81	
	-		2	5	œ	::	14	17	20	7		N	m	æ	11	14	17	28	23	90	53	32	32	38	
MESH INCREMENTS AND COORDINATES	×		S. BBBBBBBBE-B1	2.88388888E+88	3.50000000E+00	5.00000000E+00	6.50000000E+00	B. BBBBBBBBE+38	9. SBBBBBBBB +BB	>	91	-9.50000000E+30	-8.00000000E+00	-6.58888888E+88	-5.8888888E+88	-3.5000000E+00	-2. BBBBBBBBE +BB	-5. BBBBBBBBE-B1	1. BBBBBBBBE+68	2.5e000000E+00	4.868638885+88	5.59688888E+88	7.88888888E+88	8.500000005+60	1.88988888E+81
MESH INCREMENTS	Xd	XB- B.	5.8888888E-81	1 5.8888888E-81	5.0000000E-01	'n	5.00000000E-01	5.88888888E-81	5.88888888E-81	70	781.88888888E+8	S. BBBBBBBBE-B:	5.0000000E-01	5.6989888E-81	5.0000000E-01	5.8888888E-81	5.8888888E-81	5.8888888E-81	S. BBBBBBBE-DI	5.8888888E-81	5.00000000E-01	5.8388888E-91	5.8888888E-81	5.686666665-01	5.8888888E-91
	-	^	-	4	-	18	-	16	13	7	,	-	4	-	18	13	16	19	22	25	28	3	34	37	48

```
72 = 1.888888E+81
                                                                                                                                                                                                                                                                                                SENERATE A RECTANGLE OF MITERIAL 2
XI * 0. X2 * 1.0000000E+80 Y1 * -8.000000E+00 Y2 * 0.
                                                                                                          +
GENERATE A RECTANGLE OF MATERIAL 1
CENERATE A RECTANGLE OF MATERIAL 1
X2 = 1.08080808E+01 Y1 = -1.0808080E+01 Y2 = 8.
                                                                                                                                                                           ø.
                                                                                                                                                                        X2 * 1.8888888E+88 Y1 * -8.898888E+88 Y2 *
                                                                                                                                                                                                        3.817563E+88 GMS 7.883384E+89 CRGS INSERTED AS MATERIAL
                                                                                                                                                                                                                                                                                                                                                             5.760178E+13 ERGS INSERTED AS MATERIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5.397884E+12 ERGS INSERTED AS MATERIAL
                                                     RADIUS . 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERATE A RECTANGLE OF MATERIAL 3 X2 * 1.8888088E+81 Y1 * 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATIONS OF STATIONS GENERATED ARE
                                    OF MATERIAL YC =
                                                                                                                                          XI = 0.
DELETE A RECTANGLE
XI = 0.
                                                                                                                                                                                                                                                                                                                                                                 1.975433E+82 GMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6.911584E+83 GMS
                                                                                                                                                                                                                                                                                                                                                                                                                                    *
                      GENERATE A CIRCLE XC = 0.
DEFAULT WILL BE
                                                                                                                                                                                                                                                                                                                                                                                                                                    CONCRT
                                                                                       AIR
                                                                                                                                                                                                                                                                              ш
```

GENERATING PROBLEM

-8. 696966E+98 -7. 696966E+98 -3. 896969E+98 -1. 69696E+98 -1. 69696E+98 -1. 69696E+98 -2. 39696E+98 -3. 39696E+98 -3. 39696E+98 -5. 89596E+98 -6. 69696E+98 -6. 69696E+98

\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

0 PARTICLES AND 16 STATIONS GENERATED

	17205146314631463146	17225ตยอยอยอยอยอยยยยยย	969988888888888888888	172840999888888888	3777777777777777777	୧ ୫ ୫ ୫୫୫୫୫୫୫୫୫୫୫୫୫୫	172148869868686888	16655274616784382142	8888888888888888888888888888888888888	172260990909065320909	69888888888888888888888888888888888888	17:363:463:1463:1453:15	888688888888888888888888888888888888888	1721688888888888888	1721488639888998888	17245888888888888888	17244699000000000000	ଜନ୍ମେଜନ୍ୟ ଅଟେ ଅନ୍ୟର୍ଶ ଅନ୍ୟର୍ଶ ଅଟେ ଅ	172558838888888888	1725478688888888888	8838838888888888888	277777777777777777	1721488388888888888	999999999999999999	8888888888888888888888888888888888888	17245886888888888888	17326288888888888888	1722600000000000000000000000000000000000	17216888888888888888	1724486663666666666	17214888888888888888	1722488888888888888888888888888888888888	1724488888888888888888888888888888888888	17.37 4400000000000000000000000000000000000	1731434888888888888888888888888888888888		1/20400000000000000000000000000000000000	17174999999999999999	1729499999999999999999999999999999999999	1729499999999999999999999999999999999999	agagagagagagagagagagagagagagagagagagag	авававававававававава		имами в в в в в в в в в в в в в в в в в в в	иваваалалавававава В таки	9999999999999999	99999999999999999	вовововововово	1726628888888888888888888888888888888888
	1.388888888888E+88	. 88888888888888		1.888888888888E+88	ю.	69.		. 86888888888888	9.	6.888888888888888888	в.	5.6888888888888888		3.8888888888888 88E+88	2.88894888888888888	2.389898989898988E+91	900000000000000000000000000000000000000	9.	4. 88888388888888E+81	3.98888888888E+81	ø.	9.	2.888888888888E+88	.0	.00	2.8888888888888E+81	1.6000000000000E+03	завававававава <u>е</u>	38668888888888E	Saaaaaaaaaaaaa	2. BBRBBBBBBBBBBBE +BB	при	SEGREGORGEOGRAPHICA	. Jagosagagagagagagagagagagagagagagagagagag	5. Bereinsteinen tez	. 1000000000000000000000000000000000000	1. bedeededededede +de	r aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	200000000000000000000000000000000000000	авивороговорогово			. 0			.0	9.	.0	1.00000000000000E+02
-	PROB	ATMOS	BREF	CODE	COLD	CYCLE	DIMEN	TO	ELC	EDS	F	EXPAND	FAIL	FLUXER	GEOM	XMMI	10	ISLAND	JMBX	25	HOB	LREF	METHOD	MC	Ē	¥	NH IC	HIST	E.	dON.	ddN	BANCER	HUCO.	NAMES OF THE PERSON	20.00	KHDCUS	RECUNE	CTOBE	CTOOLS	STATE	SING	100	ובפתו	TIC	IREF	TIME	TTIME	TTIME?	TTSTOP

CHECKING STATION LOCATIONS.

++

INDIVIDUAL MASS SUMS 3.817663E+80 1.975433E+02 6.911504E+03

(本)众

*

-9.000E-02 -8.500E-02 -8.000E-02 -7.500E-02 5.000E-03 1.000E-02 1.500E-02 2.003E-02 2.500E-02 3.000E-02 4.000E-02 6.800E-02 6.500E-02 7.890E-82 7.500E-02 8.000E-02 9.868E-82 9.588E-82 1.886E-81 888E-82 588E-82 . 988E-82 . 588E-82 . 888E-82 500E-02 .500E-62 -1.000E-02 -5.000E-03 ALTITUDE 500E-02 5.888E-82 8.500E-02 .500E-02 500E-02 -2.000E-02 12345678901234567890 +++++++++++++++++ +++++++++++++++++ +++++++++++++++++ ******************************* +++++++++++++XX ******************************* ******************************** ******************************* ++++++++++++*X ************* **************** ************** 000000000000000000000 000000000000000000000 -----

MEX NOS/8E 1.2 KAFB 811 NFX 87/18/78 FLCM=314888 MXCM=258888 FLEC=1729K MXEC=8688K

```
13.53.50. EIRPH HIND KELL

13.53.57. CONTR.SAIL.

13.53.57. CONTR.SAIL.

13.53.57. CONTR.SAIL.

13.55.21. END DF NORTH RULL

13.55.21. END DF NORTH RULL

13.55.21. END DF NORTH L.

13.55.22. EXTIDEN SCHED.

13.55.22. EXTIDEN SCHED.

13.55.23. EIRE TOWN SCHED.

13.55.23. EIRE TOWN SCHED.

13.55.23. EIRE TOWN SCHED.

13.55.23. EIRE RELEASED.

13.57. 33. EIRE RELEASED.

13.57. 34. EROUEST TOWN SCHED.

13.57. 35. CONTR.LODM

13.59. 18. FILE TOWN SCHED.

13.57. 34. EROUEST TOWN SCHED.

13.57. 35. CONTR.LODM

13.58. 18. FILE TOWN SCHED.

13.57. 35. CONTR.LODM

13.58. 18. FILE TOWN SCHED.

13.58. 27. LOSET (FREEST HAND)

14.64. 37. (17 TOR SCHERL)

14.65. 39. FILE TOWN SCHERL HAND

14.65. 39. FILE TOWN SCHERL HAND

14.66. 39. FILE TOWN SCHERL HAND

14.67. 37. (17 TOWN SCHERL HAND)

14.67. 39. FILE TOWN SCHERL HAND

14.67. 37. (17 TOWN SCHERL HAND

14.67. 39. FILE TOWN SCHERL HAND

14.67. 37. (17 TOWN SCHERL HAND

14.67.
13.53.56.GENERATING KEEL 13.53.57. END PLANK
```

UR-ECS/LCM VERSION

```
14.07.57. END KEEL
14.07.57. 1.0998 CP SECONDS EXECUTION TIME
14.07.57.RETURN (TAPE4, HULL)
14.07.58.REVERT.
14.08.02.ENDIF, H176.
14.08.02.ENDIF, H176.
14.08.02.ENDIF, RUNS.
14.08.07.ACCOUNT FILE = ACCOUNTX J28V10F5P8
14.08.07.ACCOUNT FILE = ACCOUNTX J28V10F5P8
14.08.15. ACCOUNT FILE = ACCOUNTX J28V10F5P8
14.08.17. ACCOUNT FILE = ACCOUNTX J28V10F5P8
14.08.07. ACCOUNT FILE = ACCOUNTX J28V10F5P8
14.08.07. ACCOUNT FILE = ACCOUNTX J28V10F5P8
14.08.07. ACCOUNT FILE = ACCOUNTY J28V10F5P8
14.08.07. ACCOUNT FILE = ACCOUNTY J28V10F5P8
14.08.07. ACCOUNT FILE = ACCOUNT FILE FILM FILE ACCOUNT FILE ACCOUNT FILE ACCOUNT FILE ACCOUNT FILE FILM FILE ACCOUNT F
```

AND THE REAL PROPERTY.

PROBLEM 1.3 SYSTEM 370 HULL RUN

```
// FP1= DUMNY', LP1= SYSOUT=H, HOLD=YES',

HP1= SYSOUT=H, HOLD=YES', HIME=5, LIBPRE= AF2001.',

OLDPRE= AF2001.', PP1= SYSOUT=H, HOLD=YES', PTIME= '(0,10)'

//HULL.BATA DD DSN=AF2001.HULL.PROB1P3, DISP=(OLD, KEEP),

DCB= (RECFN= VBS, LRECL= 7220, BLKSIZE= 7224)

//HULL.STATION DD DSN=AF2001.HULL.STAT1P3, DISP= (OLD, KEEP)
//AF2001H JDB (AF2001,,10,25), HULL RUN', MSGCLASS=H, CLASS=C,
                                                          //HULL EXEC HULL, GEND='.U105', FPARH='NOSOURCE, TERM',
// PS1='SYSOUT=H, HOLD=YES', PS2='SYSOUT=H, HOLD=YES',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        //SAIL.INPUT DD DSN=AF2001.CHANG.DATA,DISP=(OLB,KEEP)
//FORT.SYSTERN DD SYSOUT=H,HOLD=YES
                                   NOTIFY=AF2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TINES=3 DAPINT=1.E-6
                                                                                                                                                                                                                                                                                                             //HULL.IMPUT DD *
                                                                                                                                                                                                                                                                                                                                                                       PROBLEM 1.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RTST0P=0.06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CST0P= 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WRELER=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REZONE=0
                                                                                                                                                                                                                                                                                                                                                                                                       CYCLE=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COL D=1
                                                                                                                                                                                                                                                                                                                                                                                                                                    IMPUT
                                                                                                                                                                                                                                                                                                                                                HULL
```

907 8	C - SYS 4148	2000	2000	107.69 \$000	2004	8000	2000	
2 301	3 - CLASS	0.23	0.80	107.69	28.42	2.56	210.74	
J E S	INIT	7	, ,	49 584 10	248	34	428	
	STARTED -	13:48:41	13:48:44	13:48:49	13:58:33	14:02:42	14:03:16	FADED
	AF2001H	HULL	PLANK	SAIL	FORT	LKED	09	AF2001H
	8HASP373	AF2001H	AF2001H	AF 2001H	AF2001H	AF 2001H	AF2001H	SHASP395
	279	279	279	279	279	279	279	279
	208	108	108	108	108	809	200	108
	13.48.41	13.48.44	13.48.49	13.58.33	14.02°41	14.03.16	14.10.25	14.10.25

END OF DATA

```
X00000090
X000000100
X00000110
X00000110
X00000130
X00000150
X00000150
X00000150
X00000170
X00000170
X00000220
X00000220
X00000230
X00000330
X00000330
X00000330
X00000330
X00000330
X00000330
X00000330
X00000330
X00000330
JDB 279
00000020
X00000030
X00000040
X00000050
                                                                                                                                                                                                                                                                                                                                                         X00000410
X00000420
X00000430
X00000450
X00000450
X00000450
X00000480
                                                    x0000000x
//AF2001H JOB (AF2001, 10,25), HULL RUN', MSGCLASS=H,CLASS=C, // MOTIFY=AF2001
//HULL PROC LIB=HULLIB, LIBPRE='SAIL',
                                                                                                                                                                                                                                 HULLSP='(CYL,(10,5),RLSE)',
HP1='SYSOUT=A',
                                                                                                                        FP1='SYSOUT=A',
FSPACE='(EYL,(10,5),RLSE)',
FTIME='(1,0)',
                                                                                                                                                            GOSPACE= (CYL, (20,5,1))',
                                                                               FILO=,
FLIB='SYS1.FORTLIB',
                                                                                                                                                                                                                                                                           OLDDCB=,
OLDDS=SHR,
OLDPRE='SAIL.',
                                                                                                                                                                                                        LREG=512K,
LP1='SYSOUT=A',
                                                                                                                                                                                                                         LTIME= (0,45)',
                                                                                                                                                                                                                                                                                                                                                 PRCL=3640,
PRE6=100K,
PTIME=(1,0),
PSI='SYSOUT=A',
PSZ='SYSOUT=A',
                                                                                                                                                                                                                                                                                                              OLDVOL=,
PPROG=PLANK,
PP1='SYSOUT=A',
                                                                                               FPARM=MAP,
FPROG=IFEAAB,
                                           LIBVOL=,
CHMBLK=3521,
CREG=100K,
                                                                                                                                                                             LMAME=HULL,
LPARM='MAP',
                                                                     CHNLRL=3517,
                                                                                                                                                                                                                                                                                                                                                                                             SAILBLK = 800,
                                                                                                                                                                                                                                                                                                                                                                                                               SCRTC=SYSDA,
                                                                                                                                                                                                                                                                                                                                                                                                                       SPROG=SAIL,
SREG=175K,
                                                                                                                                                                                               LPROG=IEUL,
                                                                                                                                                                                                                                                   HRE6=175K,
                                                                                                                 FREG=512K,
                                                                                                                                                  GENO= (0)
                                                                                                                                                                                                                                                                                                                                         PRCM=5000,
                                                                                                                                                                                                                                                                   OLD-HULL,
                                                                                                                                                                                                                                                                                                                                                                                                      SAILR=80,
                                                                                                                                                                                                                                                            HTIME=2,
                                                                                                                                                                     LAB0=,
                                                                                                                                  ************************
```

学社会

//	HORKSP= (CYL. (5.5))	00000210
//		***************************************
JANLL EXEC	EC PON=IEBGENER, REGION=1CREG	00000230
//SYSPRINT	DE SUMMY	00000240
	DD DUMMY	00000220
//SYSUT!	DD DDMANE = IMPUT	00000290
//SYSUT2 D	DO DSM=82HULLI,	X000002
"	DISP=(MEU, PASS),	X00000380
"	UNIT=\$SCRTC.	X00000590
"	SPACE=(TRK, (5,5), RLSE),	00900000X
"	DCB=(RECFM=FB, LRECL=80, BLKSIZE=1600)	00000010
//*		***************************************
//PLANK EXEC	C PGM=2PPROG,TIME=2PTIME,REGION=2PREG	000000
•//		0490000
//STEPLIB B	DD DSM=#LIBPRE#LIB,	X000008
"	UNIT=#LIBU,	0990000X
"	VOL=&LIBVOL,	02900000X
"	DISP=SHR	08900000
•//		06900000
//FT04F001 D	DB DSNAME = +. HULL. DATA, DISP = (OLD, KEEP)	0000000
•//		01/00000
//FT05F001 D	DD DSN=12HULLI, DISP=(OLD, PASS)	00000020
		00000030
//FT06F001 B	DD 4PP1,	X00000740
"	DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	05/00000
		09/00000
//F TO/F 001		0//00000
:	DISPE (MEL, PASS),	08/00000X
*		06/00000X
,;	SYNCE = (IKK, (3,3), KLSE,	000000
,,	UC#=(MELTH=FB, LMELL=80, BLR314E=1000)	01800000
		07800000 ×
//SMIL EXEL	COMPACA I DIAME	00000840
"		00000850
TEPI IN	DD D58=2: TBP852: TB	09800000X
		X00000870
"	OCT = TIBOUT	X000008
"	DISPESHR	06800000
*//		00600000
//FT01F001 B	DD DUMMY	01600000
•//		0000000
//FT02F001 D	DD DSM=20LDPRE20LD2GENO,	X000003
"	UMIT=\$0LDU,	0+600000X
"	LABEL=(#FILO, &LABO,, IN),	X000000X
"	DISP-40LDDS,	09600000X
"	VOL-40LDVOL,	0260000X
"	DCB=10LDDCB	08600000
		06600000

S, LRECL=133, BLKSIZE=4CHMBLK), 0,20) A, LRECL=133, BLKSIZE=1330) A, LRECL=133, BLKSIZE=1330) SP=(OLD, DELETE) SP=(OLD, DELETE) A, LRECL=133, BLKSIZE=1330) A, LRECL=133, BLKSIZE=1330) A, LRECL=133, BLKSIZE=1330) SP=(OLD, DELETE) SP=(OLD, DELETE) SP=(OLD, DELETE) SP=(OLD, DELETE) GION=1LREC, TIME=1LTINE, GION=1LREC,			DIST - (MEW, DELETE),	
SPACE - (TRK, (20,20)) 104F001 DD 4P22, DCB=(RECFM-FBA,LRECL=133,BLKSIZE=1330) DCB=(RECFM-FBA,LRECL=133,BLKSIZE=1330) DCB=(RECFM-FBA,LRECL=133,BLKSIZE=1330) DCB=(RECFM-FBA,LRECL=133,BLKSIZE=1330) NAIT=SCRTC, SPACE + 4MLLSP, DBSM=434ALTI, DISP=(OLD, DELETE) SPACE + 4MLLSP, DBSM=434ALTI, DISP=(OLD, DELETE) SPACE + 4MLLSP, SPACE + 4MLLSP, SPACE + 4MLLSP, SPACE + 4MLSP, SPACE + 4MLSPACE, SPACE + 4MLSP, SPACE + 4ML	"		DCB=(RECFN=VBS,LRECL=4CHMLRL,BLKSIZE=4CHMBLK),	X00001020
DESCRIPTION DESCRIPTION OF THE CL = 133 BLKSIZE = 1330) DESCRECEM = FBA, LRECL = 133 BLKSIZE = 1330) DESCRIPTION DESCRIPTION OF THE CL = 133 BLKSIZE = 1330) TOSFOOI DESCRIPTION OF THE CL = 25 ALLE, BLKSIZE = 25 ALLEK, STATE TOSFOOI DESCRIPTION OF THE CL = 25 ALLEK, STATE TOSFOOI DESCRIPTION OF THE CL = 25 ALLEK, STATE TOSFOOI DESCRIPTION OF THE CL = 25 ALLEK, STATE TOSFOOI DESCRIPTION OF THE CL = 133 BLKSIZE = 1330) TOSFOOI DESCRIPTION OF THE CL = 133 BLKSIZE = 1330) TOSFOOI DESCRIPTION OF THE CL = 133 BLKSIZE = 1400) TOSFOOI DESCRIPTION OF THE CL = 133 BLKSIZE = 1400) TOSTOOI DESCRIPTION OF THE CL = 133 BLKSIZE = 1400)	"		SPACE=(TRK, (20,20))	00001030
TOSTOOI DD 24P2, TOSTOOI DD DDWAME=IMPUT TOSTOOI DD DBWA=24HULLS, DDBWA=24HULLS, DDBWA=25CRTC, DDBWA=25CRTC, DDBWA=25CRTC, DDBWA=25CRTC, DDBWAMM TISTOOI DD DWAMM TISTOOI DO TISTOOI DWAMM TISTOOI DO TISTOOI DWAMM TISTOOI DO TISTOOI DWAMM TISTOOI DO TISTOOI DWAMM TISTO	•//			00001040
DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DDBNAME=IMPUT TO6F001 DD DDNAME=IMPUT DEF=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DDBNAME=IMPUT TOFF001 DD DNIT=45CRTC, SPACE=4HULSP, BCB=(RECFN=FB,LRECL=45A1LR,BLK) TOFF001 DD DNIT=45CRTC, DDSP=(RECFN=FB,LRECL=45A1LR,BLK) TOFF001 DD DNIT=45CRTC, DDSP=(RECFN=FB,LRECL=64BRM='4FPARM',TIME=4FTIME', XX TOFF001 DD DUMMY TOFF001 DD TOFF001 TOFF001 TOFF001 TOFF001 TOFF001 DD TOFF001 TOFF001 TOFF001 TOFF001 DD TOFF001 TOFF001 TOFF001 DD TOFF001 TOFF001 TOFF001 TOFF001 DD TOFF001 TOFF001 TOFF001 TOFF001 TOFF001	//FT04F00		4PS2,	X00001050
105F001 DD DDWAME=IMPUT 106F001 DD DBWAME=IMPUT 108F001 DD DSM=##HULL, 108F001 DD DSM=##HULL, 108F001 DD DSM=##HULLSP, 108F001 DD DSM=##HULSP, 108F001 DD DWIT=#\$CRECK=*\$SAILK,BLK\$12E=#\$SAILBLK) 108F001 DD DWIT=#\$CRECK=*\$SAILK,BLK\$12E=#\$SAILBLK) 108F001 DD DWIT=#\$CRECK=*\$SAILK,BLK\$12E=#\$SAILBLK) 110F001 DD DWATT 110F001 DD DWAMT 110F001 DW	"		DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	00001000
TOSFOOI DD DDWAHE-IMPUT TOSFOOI DD DBN-12-10-10-10-10-10-10-10-10-10-10-10-10-10-	•//			00001070
TOPFOOI DD DAM-AAHULL, DES=(RECFM=FBA,LRECL=133,BLKS1ZE=1330) DES=(RECFM=FB,LRECL=133,BLKS1ZE=1330) DIS=(REULSP, DIS=(RECFM=FB,LRECL=2SAILR,BLKS1ZE=2SAILBLK) SPACE=AHULLSP, SPACE=AHULSP, DISP=(RECFM=FB,LRECL=2SAILR,BLKS1ZE=2SAILBLK) SPACE=(APRCL,(APRCN)) TIPFOOI DD UNHI=2SCRTC, DISP=(RECFM=FB,LRECL=133,BLKS1ZE=1330) SPACE=(APRCL,(APRCN)) TIPFOOI DD DUNHY TIPFOOI DD DUNHY TIPFOOI DD DUNHY TIPFOOI DD DUNHY TIPFOOI DD BAM-AALOADSET, DCB=(RECFM=FBA,LRECL=133,BLKS1ZE=1400) TSLIM DD BSM-AAHULL,DISP=(OLB,BELETE) TSLIM DD DSM-AAHULL,DISP=(OLB,BELETE) TSUT2 DD UNIT=2SCRTC,SPACE=(CYL,(2,2)) TSUT3 DD UNIT=2SCRTC,SPACE=(CYL,(2,2)) TSUT4 DD DUNHY TSUTAL DD UNIT=3SCRTC,SPACE=(CYL,(2,2))	//FT05F00		DDNAME=IMPUT	00001080
TOGFOO! DD 2451, DDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) DDB=(RECFN=FB,LRECL=133,BLKSIZE=1330) NIT=35CHLS, SPACE=24ULLS, SPACE=25SILL,BLKSIZE=23ILBLK) NISP=(RECFN=FB,LRECL=133,BLKSIZE=1330) SPACE=25SACE, SPACE-25SACE, SPACE=25SACE, SPACE	•//			00001090
DEBE(RECFN=FBA,LRECL=133,BLKSIZE=1330) DEBE(RECFN=FBA,LRECL=133,BLKSIZE=1330) DISP=(NEU,PASS), UNIT=SCRTC, SPACE=ABULLS, DEBE(RECFN=FB,LRECL=2SAILR,BLKSIZE=4SAILBLK) TIOFOOI DD UNIT=SCRTC, DISP=(NEU,DELETE), SPACE=(APRCL,(APRCN)) TIIFOOI DD DUNHY TIIFOOI DD DUNHY TISCOI DD TISCOI DO TISCOI DO TO	//FT06F00		2PS1,	X00001100
TOBFOOI DD DSM-22HULL, DISP=WEUPASS, UNIT=\$SCRIC, SAGE=\$HULLSP, BCB=(RECFH=FB,LRECL=\$SAILR, BLKSIZE=\$SAILBLK) SAGE=\$HULLSP, BCB=(RECFH=FB,LRECL=\$SAILR, BLKSIZE=\$SAILBLK) TIOFOOI DD UNIT=\$SCRIC, DISP=WEU,DELETE), SPACE=(\$PRCL,(\$PRCN)) TIOFOOI DD DUNMY TOON TIOFOOI TIOFOOI TIOFOOI TOON TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI TIOFOOI	"		DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)	00001110
TOBFOOL DD DSM=\$#MULL, DISP=(NEULPASS), UNIT=\$SCRIC, SPACE=(HULLSP, SPACE=(HULLSP, SPACE=(APRCL,(APRCN)) TITFOOL DD UNIT=\$SCRIC, SPACE=(APRCL,(APRCN)) TITEOOL DD UNIT=\$SCRIC, SPACE=(APRCL,(APRCN)) TITEOOL DD UNIT=\$SCRIC, SPACE=(APRCL,(APRCN)) TITEOOL DD UNIT=\$SCRIC, SPACE=(APRCL,(APRCN)) TITEOOL DD UNIT=\$SCRIC, SPACE=(APRCN),(B,LT,SAIL)) TITEOOL DD UNIT=\$SCRIC, SPACE=(APRCN),(B,LT,SAIL)) TITEOOL DD UNIT=\$SCRIC, SPACE=(APRCN) TITEOOL DD UNIT=\$SCRIC, SPACE=(CYL,(2,2)) TSLIN DD SAFACE=(CYL,(2,2)) TSLIN DD SH=\$AHULL,DISP=(OLD,DELETE) TSUTI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TTHEN TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TTHEN TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TTHEN TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TTHEN TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2)) TSUTEN DOUNTY TOOLOGI DD UNIT=\$SCRIC,SPACE=(CYL,(2,2))	•//			00001120
DISP=(MEU, PASS), UNIT=ASCRTC, SPACE=AHULLS, BCB=(RECFH=FB,LRECL=ASAILR, BLKSIZE=ASAILBLK) BCB=(RECFH=FB,LRECL=ASAILR, BLKSIZE=ASAILBLK) BISP=NEU, BELETE), SPACE=(APRCL, (APRCN)) TISFOOI DD DUNHY TO COND=((B,LT, PLANK), (B,LT, SAIL)) TSLIM DD &FP BCB=(RECFN=FBA,LRECL=133, BLKSIZE=1330) TSLIM DD BSM=A&LOADSET, BISP=(NOD, PASS), UNIT=ASCRTC, SPACE=(CYL, (2,2)) TSUTI DD UNIT=ASCRTC, SPACE=(CYL, (2,2)) TSTERN DD DUNHY TSTERN DD UNIT=ASCRTC, SPACE=(CYL, (2,2))	//FT08F00		DSN=SSHULL,	X00001130
DUNIT=15CRIC, SPACE=2HULLSP, BCB=(RECFN=FB,LRECL=18A1LR,BLKSIZE=18A1LBLK) BCB=(RECFN=FB,LRECL=18A1LR,BLKSIZE=18A1LBLK) TIFOOI DD UNIT=18CRIC, DISS=(MEW,BELETE), SPACE=(18PRCL,(18PRCN)) TIFOOI DD DUNNY TISEOI DD DUNNY TOON DO DU	"		DISP=(NEW, PASS),	X00001140
SPACE=#HULLSP, BCB=(RECFM=FB,LRECL=&SAILR,BLKSIZE=&SAILBLK) T10F001 DD UNIT=&SCRTC, DISP=(MUM,BELETE), SPACE=(&PRCL,(&PRCN)) T11F001 DD UNIT=&SCRTC, DISP=(MUM,BELETE), SPACE=(&PRCL,(&PRCN)) T12F001 DD UNIT=&SCRTC, SPACE=(&PRCL,(&PRCN)) T12F001 DD UNIT=&SCRTC, SPACE=(&PRCL,(&PRCN)) T12F001 DD UNIT=&SCRTC, SPACE=(&PRCN-FBA,LRECL=133,BLKSIZE=1330) TSLIN DD BSN=&&LRECL=0,BLKSIZE=1400) TSLIN DD BSN=&&HULL,DISP=(OLD,BELETE) TSUT1 DD UNIT=&\$CRTC,SPACE=(CYL,(2,2)) TSTERN DOUNT UNIT=&\$CRTC,SPACE=(CYL,(2,2)) TSTERN DD UNIT=&\$CRTC,SPACE=(CYL,(2,2)) TSTERN	"		UNIT = BSCRTC.	X00001150
### PECB=(RECFM=FB,LRECL=&SAILR,BLKSIZE=&SAILBLK) ###################################	"		SPACE=\$HULLSP.	X00001160
TOFOO! DD UNIT=&SCRTC, DECETE) SPACE=(&PRCL,(&PRCN)) SPACE=(&PRCL,(&PRCN)) SPACE=(&PRCL,(&PRCN)) SPACE=(&PRCL,(&PRCN)) SPACE=(&PRCL,(&PRCN)) SPACE=(&PRCL,(&PRCN)) SPACE=&FREG,PARM=(&FPARM',TIME=&FTIME, X COND=((&,LT,PLANK),(&,LT,SAIL)) X COND=((&,LT,PLANK),(&,LT,SAIL)) X COND=((&,LT,PLANK),(&,LT,SAIL)) X COND=((&,LT,PLANK),(&,LT,SAIL)) X COND=((&,LT,SPACE=&PRCN)) X COND=((&,LT,FORT),(&,LT,SAIL)) SPACE=&PRCNC,SPACE=(CYL,(2,2)) SPACE=&PRCNC,SPACE=&	"		DCB=(RECFM=FB, LRECL = 15AILR, BLKSIZE=15AILBLK)	00001170
TOFOOI DD DAM=&&ALIT,DISP=(OLD,DELETE)	•//			00001180
TIOFOOI DD UNIT=&SCRTC, SPACE = (&PRCL, (&PRCN))	//FT09F00:		DSW-SSALTI, DISP-(OLD, DELETE)	00001190
10F001	•//			00001200
DISS=(MEU, DELETE), SPACE=(EPRCL, (EPRCN)) TITEOI DD DUMNY TIZEOI DD DUMNY TIZEOI DD DUMNY TIZEOI DD DUMNY TO EXEC PGM-EFPEG, PARH-'SFPARM', TIME-EFTIME, COMD=((8,LT,PLANK), (8,LT,SALL)) TSE (COMD=((8,LT,PLANK), (8,LT,SALL)) TSE (COMD=((8,LT,PLANK), (8,LT,PLANK), (8,LT,PLANK), (8,LT,PLANK)), TSE (COMD=((8,LT,FORT), (8,LT,PLANK)), TSE (COMD=((8,LT,FORT), (8,LT,PLANK)), TSE (COMD=((4,LT,FORT), (8,LT,PLANK)),	//FT10F001		UMIT=\$SCRTC,	X00001210
SPACE=(&PRCL,(&PRCN)) 711F001 DD DUMMY T12F001 DD DUMMY T12F001 DD DUMMY COND=((8,LT,PLANK),(8,LT,SA1L)) COND=((8,LT,PLANK),(8,LT,SA1L)) COND=((8,LT,PLANK),(8,LT,SA1L)) SDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) TSLIM DD BSM=&&LOADSET, UMTT=&&CRTCFN=FB,LRECL=133,BLKSIZE=1400) TSIM DD DSM=&&HULL,DISP=(OLD,BELETE) TSUT1 DD UMIT=&&CRTC,SPACE=(CTL,(2,2)) TSTERM DD DUMMY TSTERM DD DUMMY COND=((4,LT,FORT),(8,LT,SA1L)),(8,LT,PLANK)), X COND=((4,LT,FORT),(8,LT,SA1L),(8,LT,PLANK)), X COND=((4,LT,FORT),(8,LT,SA1L),(8,LT,PLANK)), X COND=((4,LT,FORT),(8,LT,SA1L),(8,LT,PLANK)), X COND=((4,LT,FORT),(8,LT,SA1L),(8,LT,PLANK)),	"		DISP=(MEU, DELETE),	X00001220
TITEON DD DUMMY TIZEON DD DUMMY TIZEON DD DUMMY COND=((8,LT,PLANK), (8,LT,SAIL)) TENEC PGM=1FPRO6, REGION=1FREG, PARM='11ME=15TIME, X COND=((8,LT,PLANK), (8,LT,SAIL)) TENEM DD 1FP1, SPRINT DD 1FP1, UNIT-15CFT+FBA,LRECL=133,BLKSIZE=1330) TSLIM DD 18M=24L0AbSET, SPRINT DD 18M=140AbSET, SPRINT DD 18M=14FBC, TSUT: DD 18M=14FBCG, SPRINE=16TIME, TSTERM DD 18MM TSTERM DD 18MM COND=((4,LT,FORT), (8,LT,SAIL), (8,LT,PLANK)), X COND=((4,LT,FORT), (8,LT,SAIL), (8,LT,PLANK)), X	"		SPACE=(&PRCL, (&PRCN))	00001230
TITEOU DD DUMMY TITEOU DD DUMMY TITEOU DD DUMMY COND=((8,LI,PLANK),(8,LI,SAIL)) SPRINT DD &FFI DD BSN=&&LOADSET, DISP=(NDD PASS), UNIT=&SCRTC, SPACE=&FFSAC, DD DSN=&&HULL,DISP=(GLD,DELETE) FSUT: DD DUMNT FSTERN DD DUMNY FSTERN DD FSTERN DD DUMNY FSTERN DD DUMNY FSTERN DD FSTERN DD FSTERN DD DUMNY FSTERN DD FST	•//			00001240
T12F001 DD DUMMY DRI EXEC PGM=4FRG6, PARM=4FPARM, TIME=4FTIME, X COMD=((8,LT,PLAMK), (8,LT,SAIL)) SDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) SDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) SDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) SDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) SDB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) SDB=(RECFN=FB,LRECL=80,BLKSIZE=1400) SSM=24HULL,DISP=(GLD,DELETE) SDB=(RECFN=FC,SPACE=(CYL,(2,2)) FSUT1 DD UMIT=45CRTC,SPACE=(CYL,(2,2)) FSTERN DD DUMMY KED EXEC PGM=4LPR06,REGION=4LREG,TIME=4LTIME, X COMD=((4,LT,FORT),(8,LT,SAIL), (8,LT,PLAMK)), X	//FT11F00		DUMMY	00001250
TIZEOUI DB DUMMY DRI EXEC PGM= 1 PROG, REGION= 1 PREG, PARM= 2 PARM', TIME= 1 TIME, X COMD=((8,LT,PLAMK), (8,LT,SAIL)) SPRINT DB 1 FP1, DD 2 FP1, DD 2 FP1, DD 2 FP1, DD 3 FP1, MIT = 2 CRECFN = FB4, LRECL= 133, BLKS IZE= 1330) X UMIT = 4 SCRTC, SPACE = 4 FPACE, BD 1 SN = 2 4 HULL, DISP=(OLD, DELETE) FSUT1 DB UMIT = 4 SCRTC, SPACE = (CYL, (2,2)) FSTERN DB DUMMY COMD=((4,LT,FORT), (8,LT,SAIL), (8,LT,PLAMK)), X COMD=((4,LT,FORT), (8,LT,SAIL), (8,LT,PLAMK)),	•//			00001260
DRT EXEC PGM-16 PROG, REGION-16 PARM-16 PARM-17 PARM-18 PARM-17 PARM-17 PARM-18 PARM-1	//FT12F001		DUMMY	00001270
DRT EXEC PGM-17PROG, REGION=17FBRN-11ME-17IME-17	1/0	-		* 00001280
COMD=((8,LI,PLANK),(8,LI,SAIL)) SPRINT DD &FP1, DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330) BISP=(NDD,PASS), UNIT=&SCRIC, SPACE = #52 FACE, DCB=(RECFM=BF,LRECL=80,BLKSIZE=1600) FSIM DD DSN=&&HULL,DISP=(OLD,DELETE) FSUT: DD UNIT=&SCRIC,SPACE=(CYL,(2,2)) FSTERM DD DUMHY FSTERM DD DUMHY CED EXEC PGN=&LPROG,REGION=&LREG,TINE=<INE, COND=((4,LI,FORT),(8,LI,SAIL),(8,LI,PLANK)),	//FORT	EXEC	PGM=&FPROG, REGION=&FREG, PARM='&FPARM', TIME=&FTIME,	X00001290
FSPRINT DD 14FP1, BCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330) BISN=124LOADSET, BISN=(MDD,PASS), UMIT=125CRTC, SPACE=15PPACE, SPACE=15PPACE, SPACE=15PPACE, SPACE=15PPACE, SPACE=15PPACE, SOUTH DD DNN=124LULL, DISP=(OLD,DELETE) FSUT1 DD UMIT=15CRTC, SPACE=(CYL,(2,2)) FSIRM DD DUMNY FSIERM DD DUMNY CED EXEC PGN=12PROG,REGION=14REG,TINE=12LTINE, COMD=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLAMK)),	"		COND=((8,LT,PLAMK),(8,LT,SAIL))	00001300
FSPRINT DD 2FP1, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) FSLIN DD DSN=&&LGADSET, DISP=(NDD,PASS), UMIT=&SCRTC, SPACE=&FSPACE, SPACE=&FSPACE, SPACE=&FSPACE, SPACE=&FSPACE, SPACE=&FSPACE, SPACE=&FSPACE, SPACE=&FSPACE, FSUT DD UNIT=&SCRTC,SPACE=(CYL,(2,2))	•//			00001310
BCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) FSLIN DD BSN=#1LOADSET,	//SYSPRINI		£FP1,	X00001320
FSLIM DB DSW-##LOADSET, DISP=(NDB,PASS), UNIT=#\$SRTC, SPACE=#\$SPACE, DCB=(RECFM=BF,LRECL=80,BLKSIZE=1600) FSIM DB DSW=##HULL,DISP=(OLD,DELETE) FSUT: DB UNIT=#\$CRTC,SPACE=(CYL,(2,2)) FSUT: DB UNIT=#\$CRTC,SPACE=(CYL,(2,2)) FSTERM DB DUMMY CED EXEC PGM=#LPROG,REGION=#LREG,TIME=#LTIME, COMD=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLAMK)),	"		DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)	00001330
FSLIM DB DSM=121CADDSET, DISP=(MOD,PASS), UNIT=125CRTC, SPACE = 125CRTC,	•//			00001340
DISP=(MDD,PASS), UMIT=&SCRTC, SPACE=#FSPACE, SPACE=#FSPACE, BPACE=#FSPACE, BCB=(RECFN=BF,LRECL=80,BLKSIZE=1400) FSUT DD DNN=&SCRTC,SPACE=(CYL,(2,2)) FSUT DD UNIT=&SCRTC,SPACE=(CYL,(2,2)) FSTERN DD DUNNY FSTERN DD DUNNY CED EXEC PGN=&LPROG,REGION=&LREG,TINE=<INE, COND=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK)),	//SYSLIN	80	DSM=##LOADSET,	X00001350
UMIT=&SCRIC, SPACE=&FSPACE, BCB=(RECFN=BF,LRECL=80,BLKSIZE=1600) FSIN DD DSN=&&HULL,DISP=(OLD,DELETE) FSUT: DD UMIT=&SCRIC,SPACE=(CYL,(2,2))	"		DISP=(MOD, PASS),	X00001360
SPACE-AFSPACE, DDB=(RECFN=BF,LRECL=80,BLKSIZE=1600) FSIM DDBSM=&&HULL,DISP=(QLD,DELETE) FSUT1 DD UNIT=&SCRTC,SPACE=(CYL,(2,2)) FSTERN DD UNIT=&SCRTC,SPACE=(CYL,(2,2))	"		UMIT-4SCRTC,	X00001370
DEB=(RECFH=BF,LRECL=80,BLKSIZE=1600)	"		SPACE=&FSPACE,	X00001380
SUT DD DSM=2&HULL,DISP=(OLD,DELETE) SUT DD UNIT=&SCRTC,SPACE=(CYL,(2,2)) FSUT DD UNIT=&SCRTC,SPACE=(CYL,(2,2)) FSTERM DD DUMMY COMPACE CYL,(2,2) FSTERM DD DUMMY COMD=4LREG,TIME=<INE, X COMD=((4,LT,FORT),(8,LT,SAIL), X X	"		DCB=(RECFM=BF, LRECL=80, BLKSIZE=1600)	00001390
FSIM DB DSM=42HULL,DISP=(OLD,DELETE) FSUT: DB UNIT=45CRTC,SPACE=(CYL,(2,2)) FSUT2 DB UNIT=45CRTC,SPACE=(CYL,(2,2)) FSTERM DB DUMNY FSTERM DB DUMNY COMD=4(4,LT,FORT),(8,LT,SAIL),(8,LT,PLAMK)), X	•//			00001400
SUT1	//SYSIN	00	DSM=22HULL, DISP=(OLD, DELETE)	00001410
FSUT1 DD UNIT=4SCRTC, SPACE=(CYL, (2,2)) FSUT2 DD UNIT=4SCRTC, SPACE=(CYL, (2,2)) FSTERM DD DUMMY FSTERM DD DUMMY COMD=4(4,LT, FORT), (8,LT, SAIL), (8,LT, PLAMK)), x	•//			00001420
	//SYSUT1	9	UNIT=&SCRTC, SPACE=(CYL, (2,2))	00001430
T2	•//			00001440
EXEC PGM=2LPROG,REGIOM=2LREG,TIME=2LTIME, X COMD=((4,LT,FORT),(8,LT,SAIL),(8,LT,PAMK)), X	//SYSUT2	00	UNIT=&SCRTC, SPACE=(CYL, (2,2))	00001450
ERM DD DUMMY EXEC PGM=&LPROG,REGIOM=&LREG,TIME=<IME, X COMD=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLAMK)), X	•//			00001460
EXEC PGM=#LPROG,REGIOM=#LREG,TIME=#LTIME, X COMD=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK)), X	//SYSTERM	2	DURKY	00001470
COND=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLAMK)),			200 - 100 -	**************************************
COMD=((+,L,,CML),CMLL),CM,L,CMLL,CMLL),	//LKED	EVEL	PORTS LINCO, MEGION SALVERS - LINE - ALLINE,	00000
	//		COMD=((4,LT,FORT),(8,LT,SAIL),(8,LT,FLARK)),	200001200

DD SH-ALLIBPREALIB, DISP-SHR DD DSH-ALLIBPREALIB, DISP-SHR DD DSH-ALLIBPREALIB, DISP-SHR DD DSH-ALLIBPREALIB, DISP-SHR DD DSH-ALGOSET(ALWAME), UNIT-ASCRTC, SPACE=(1024,(200,20)) DD DSH-ALGOSET(ALWAME), SPACE=460SFACE EXEC PGH-A.LKED, SYSLHOD, TIME=(AHTIME,0),REGION-AHREG, PARH=' AHIME', COMD=((4,LT,LKED),(4,LT,FORT),(8,LT,PLAMK)) DD DSH-ALGOADSET,DISP-(OLD, DELETE) DD DSH-ALGOADSET,DISP-(OLD, DELETE), DD DSH-ALGOADSET,DISP-(OLD, DELETE), DD UNIT-ASCRTC, SPACE=AUORNSP, DD UNIT-ASCRTC, SPACE=AUORNSP, DD UNIT-ASCRTC, SPACE=AUORNSP, DD UNIT-ASCRTC, SPACE=AUORNSP, DD UNIT-ASCRTC, SPACE-AUORNSP, DD UNIT-ASCRTC, DD UNIT-ASCRTC, DD UNIT-ASCRTC, DD UNIT-ASC	*//	2		00001520
15LIP D DSM-ALIPPERILE DISP-SHR DD DSM-ALIPPERILE DISP-SHR 17SLNOD DD DSM-ALEDGET (ALMANE), DUNIT-ASCRTC, SPACE=(1024, (200,20)) 17SLNOD DD DSM-ALEDGSET (ALMANE), DUNIT-ASCRTC, PAGE=(1024, (200,20)) 17SLNOD DD DSM-ALEDGSET (ALMANE), 17SLNOD DD DSM-ALEDGSET, DISP=(0LD, DELETE) 17SLNOD DD DSM-ALAGADSET, DISP=(0LD, NEETE) 17SPNOT DD DSM-ALMULL, DATA, DISP=(0LD, NEETE) 17SPNOT DD DSM-ALMULL, DATA, DISP=(0LD, NEEFP) 17SPNOT DD DSM-ALMULL, DATA, DISP=(0LD, NEEP) 17SPNOT DD DSM-ALMULL, DATA 17SPNOT DD UNIT-ASCRTC, 17SPNOT DD UNIT-ASC	//STSPKIRI	3	-	20000
YBUTI DD DSW-ALIBPREALIB, DISP-SHR DD DSW-AFLIB, DISP-SHR TSLADD DD DSW-AIGUSTC, SPACE = (1024, (200,20)) TSLADD DD DSW-AIGOSCT (ALMAME), UNII-85CRTC, DISP-(PASS), SPACE-400SET, DISP-(OLD, DELETE) COMB-(4-LT, LKED), 4-LT, FORT), (8,LT, PLAMK)) TO4F001 DD DSW-AAHULL, DATA, DISP-(OLD, KEEP) TO4F001 DD DSW-AAHULL, DATA, DISP-(OLD, KEEP) TO5F001 DD DSW-AAHULL, DATA, DISP-(OLD, KEEP) TO5F001 DD DSW-AAHULL, DATA T10F001 DD UNIT-85CRTC, SPACE-AUROKSP, DISP-(MEU, DELETE), DCB-*(HULL, DATA) T11F001 DD UNIT-85CRTC, SPACE-AUROKSP, DISP-(MEU, DELETE), DCB-*(HULL, DATA) T13F001 DD UNIT-85CRTC, SPACE-AUROKSP, DISP-(MEU, DELETE), DCB-*(HULL, DATA) T13F001 DD UNIT-85CRTC, SPACE-AUROKSP, DISP-(MEU, DELETE), DCB-*(HULL, DATA) T14F001 DD UNIT-85CRTC, SPACE-AUROKSP, DCB-*(HULL, DATA)	"		DCB=(RECFA=FBA, LRECL 3155, BLR512E=1550)	00001340
TSLIB DD DSM-AFLIB, DSP-SHK DB DSM-AFLIB, DSP-SHR TSLND DD DSM-AFLIB, DSP-SHR TSLND DD DSM-AFLIB, DSP-SHR TSLND DD DSM-AFLIB, DSP-SHR UNIT-ASCRTC, SPACE=(1024, (200,20)) SPACE=ASOSPACE TOFFOU DD DSM-AFLKED, SYSLNOD, TIME=(AHTINE,0), RECION=AHREG, PARM="LKED,SYSLNOD,TIME=(AHTINE,0), RECION=AHREG, PARM="LKED,SYSLNOD,TIME=(AHTINE,0), RECION=AHREG, PARM="LKED,SYSLNOD,TIME=(AHTINE,0), RECION=AHREG, PARM="AHTINE" TOFFOU DD DSM-AFLHULL,DSP-(OLD, DELETE) DCB=(RECFH-FDA,LRECL=133, BLKSIZE=1330) TOFFOU DD DAMIT-ASCRTC, SPACE=AUORKS, DISP=(MEU, DELETE), DCB=**HULL,DATA TIJFOU DD UNIT-ASCRTC, SPACE=AUORKS, DSP=**HULL,DATA TIJFOU DD UNIT-ASCRTC, SPACE-AUORKS, DSP-**HULL,DATA TIJFOU	•//	1		0000000
TSUTI DB UNIT=45CRTC, SPACE=(1024, (200,20)) TSLNDD DB DSN=446DSET(4LNAME),	//SYSLIB	2	DONE AL INPRESTIB, DISPESHR	00001360
YSLND D BUNIT-\$SCRIC, SPACE=(1024, (200,20)) YSLND D BUNIT-\$SCRIC, SPACE=(1024, (200,20)) WINT-\$SCRIC, BISP=(PASS), SPACE=\$608PACE EXEC PSN=**LKED.SYSLNDP, TIME=(2MTIME,0), REGION=2HREG, COND=((4,LT,LKED), (4,LT,FGRI), (8,LT,PLAMK)) TOAFOOI DD BSN=**HULL.DATA,DISP=(0LD,REEP) TOAFOOI DD BSN=**HULL.DATA,DISP=(0LD,KEEP) TOAFOOI DD BSN=**HULL.BATA,LRECL=133,BLKSIZE=1330) TOAFOOI DD BSNARE-**HULL.STATION,DISP=(0LD,KEEP) TOAFOOI DD BNANE-**HULL.BATA TOAFOOI DD UNIT-\$SCRIC, SPACE=\$400RKS', BISP=**HULL.BATA TOAFOOI DD UNIT-\$5CRIC, SPACE=\$400RKS', BISP=***HULL.BATA TOAFOOI DD UNIT-\$5CRIC, SPACE=\$400RKS', BISP=****HULL.BATA TOAFOOI DD UNIT-\$5CRIC, SPACE=\$400RKS', BISP=************************************	,	2	ATOMA OF THE PROPERTY OF THE P	0/61000
YSLNOD DD DSW-A160SET(4LMAME), UNIT=45CRTC, SPACE=400RKSP, DD SMHS**-HULL.DATA, INFOOI DD UNIT=45CRTC, SPACE=400RKSP, DIS=(MEU, DELEFE), DC=*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE=400RKSP, DIS=*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE=400RKSP, DIS=*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE=400RKSP, DC=*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE=400RKSP, DC-*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE=400RKSP, DC-*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE-400RKSP, DC-*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE-400RKSP, DC-*-HULL.DATA INFOOI DD UNIT=45CRTC, SPACE-400RKSP, DC-*-HULL.DATA INFOOI DD UNIT-45CRTC, SPACE-400RKSP, DC-*-HULL.DATA INFOOI DD UNIT-45CRTC, SPACE-400RKSP, DC-*-HULL.DATA INFOOI DD UNIT-45CRTC, SPACE-400RKSP, DC-*-HULL.DATA INFOOI DD UNIT-40CRTC, DC-*-HULL.	.//	-		00001080
15LMOD DD DSW-1260SET(4LWAME),	//SYSUT1	2		00001280
TSLMOD DD DSM-\$260SE (\$LWAME), UNIT=\$SCRTC, DISP=(\$ASS), SPACE=\$60SPACE TSLIN DD DSM-\$26LOADSET,DISP=(OLD,DELETE) EXEC PAN=**(LKED,SYSLMOD,TIME=(\$ATTME,0),REGION=\$AFREG, PARN=** LKED,SYSLMOD,TIME=(\$ATTME,0),REGION=\$AFREG, COMD=(4,LT,LKED,SYSLMOD,TIME=(\$ATTME,0),REGION=\$AFREG, DARN=** ANTINE COMD=(4,LT,LKED),(4,LT,FORT),(8,LT,FORME)) TOAFOOI DD DSM=\$24MULL,DATA,DISP=(OLD,REEP) TOAFOOI DD DSM=\$24MULL,DATA TIPOOI DD UNIT=\$SCRTC, SPACE=\$40RKSP, DISP=(REU,BELETE), DED=**HULL.DATA TISFOOI DD UNIT=\$SCRTC, SPACE=\$40RKSP, DISP=(REU,BELETE), DED=**HULL.DATA TISFOOI DD UNIT=\$SCRTC, SPACE=\$40RKSP, DISP=(REU,BELETE), DED=**HULL.DATA TISFOOI DD UNIT=\$SCRTC, SPACE=\$40RKSP, DSP=**HULL.DATA TISFOOI DD UNIT=\$SCRTC, SPACE=\$40RKSP, SPACE=\$40RKSP, DSP=**HULL.DATA TISFOOI DD UNIT=\$SCRTC, SPACE=\$40RKSP, DSP=**HULL.DATA TISFOOI DD UNIT=\$CRTC, SPACE=\$40RKSP, DSP=**HULL.DATA TISFOOI DD UNIT=\$CRTC, DSP=**HULL.DATA TISFOOI DD UNIT \$CR	•//			00001900
UNIT=ESCRIC, D15P=", PASS), SPACE=ASSPACE SPACE=ASSPACE SPACE=ASSPACE SPACE=ASSPACE O EKE PAR=-, LKED_SYSTADD, INEE (ANTINE, 0), REGION=AHREG, PARN=-, LKED_SYSTADD, INEE (ANTINE, 0), REGION=AHREG, COND=-((4,LT,LKED), (4,LT,FORT), (8,LT,FLANK)) TO4F001 DD BAN=+, HULL, DATA, D1SP=(OLD, KEEP) TO4F001 DD BAN=+, HULL, DATA, D1SP=(OLD, KEEP) TO4F001 DD BAN=+, HULL, DATA T10F001 DD UNIT=ASCRIC, SPACE=AUGRKSP, B1SP=(MEU, BELETE), B1SP=(MEU	//SYSLNOD	2		X00001610
DISP=(,PASS), SPACE=&GOSPACE SPACE=&GOSPACE SPACE=&GOSPACE CARD B DSM=&&&LCADSST,DISP=(OLD,DELETE) CARD ((4,LT,LKED),(4,LT,FORT),(8,LT,FORMX)) TOAFOOI DB DSM=&&HULL.DATA,DISP=(OLD,REEP) TOAFOOI DB DSM=&&HULL.DATA,DISP=(OLD,KEEP) TOFOOI DB DSM=&&HULL.DATA TOFOOI DB DMIT=&SCRIC, SPACE=&LORKSP, BISP=(WEU,BELETE), BCB==HULL.DATA TOFOOI DB UNIT=&SCRIC, SPACE=&LORKSP, BSP=(WEU,BELETE), BCB==HULL.DATA TOFOOI DB UNIT=&SCRIC, SPACE=&LORKSP, BSP=**HULL.DATA TOFOOI DB UNIT=&SCRIC, SPACE=&LORKSP, BSP=**LORKSP, BSP=**LORKS	//		UNIT = #SCRTC.	X00001620
SPACE = \$60SPACE SPACE = \$60SPACE SPACE = \$60SPACE TO EXEC PGH = "LKED.STSLHOD, TIME (ANTINE, O), REGION = \$4HIME (ANTINE, O), REEP) TO \$6001 DD \$4HP1, DSP = (OLD, DELETE) TO \$6001 DD \$4HP1, DSP = (OLD, DELETE) DCB = (RECFN = FBA, LRECL = 133, BLKSIZE = 1330) TO \$6001 DD \$4HP1, DSP = (OLD, REEP) TO \$6001 DD \$4HP1, DSP = (OLD, REEP) B1SP = (MEU, BELTE), B1SP = (MEU, BELT	//		DISP=(.PASS).	X00001630
TSLIM	,,		SPACE = 180SPACE	00001640
TSEIN DB DSN=2&LOADSET, DISP=(OLD, DELETE) EXEC PGN==, LKED.SYSLMD, TIME (2MTIME, 0), REGION=2MREG, PARN=" 2MTIME", COND=((4,LT,LKED),(4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK)) TOFFOOI DB 2MPI, DCS==RULL.DATA,DISP=(OLD,KEEP) TOFFOOI DB 2MPI, DCS==RULL.STATION,DISP=(OLD,KEEP) TOFFOOI DB DSN=2&HULL.STATION,DISP=(OLD,KEEP) TOFFOOI DB DNIT=3SCRTC, SPACE=2MORKSP, BISP==REU.BELTE, DCS==.MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP==REU.BELTE), BCS==.HULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP==REU.BELETE), BCS==4MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP==REU.BELETE), BCS==HULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP==REU.BELETE), BCS==HURLSP, BCS==4MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP=REU.BELETE), BCS==HURLSP, BCS==4MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP=REU.BELETE), BCS==HURLSP, BCS==4MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=2MORKSP, BISP=REU.BELTE), BCS==4MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE=3MORKSP, BCS==4MULL.DATA TISFOOI DB UNIT=3SCRTC, SPACE-3MORKSP, BCS==4MULL.DATA TISFOOI DB UNIT=3CRTC, SPACE-3MORKSP, BCS==4MULL.DATA TISFOOI DB UNIT=3CRTC, SPACE-3MORKSP, BCS==4MULL.DATA TISFOOI DB UNIT=3CRTC, TISFOOI DB UNIT=3CRTC, TISFOOI DB UNIT=3CRTC, TISFOOI DB UNIT=3CRTC, TISFOOI DB UNIT=3C				00001450
EXEC PGN=*.LKED.SYSLHOB, TIME=(BHTINE, 0), REGION=BHREG, PARM=*.LKED.SYSLHOB, TIME=(BHTINE, 0), REGION=BHREG, PARM=*. AHTINE , COND=((4,LT,LKED), (4,LT,FORT), (8,LT,FANK)) TO4F001 DB BSN=*.HULL.DATA,DISP=(OLD,REEP) TO4F001 DB BSN=*.HULL.DATA,DISP=(OLD,REEP) TOFF001 DB BSN=*.HULL.STATION,DISP=(OLD,KEEP) TTOFO01 DB UNIT=&SCRTC, SPACE=BURKSF, BISP=(NEU,BELETE), BISP=(NEU,BEL	7,646, 12	9		00001640
COMD=(4.LT,LKED,TIME=(2MTIME,0),REGION=2HREG, COMD=(4.LT,LKED),(4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK)) TO4F001 DB DSN=*.HULL.DATA,DISP=(OLD,KEEP) TO6F001 DB SNN=22HULLI,DISP=(OLD,KEEP) TO6F001 DB DSNAHE=*.HULL.STATION,DISP=(OLD,KEEP) TOFF001 DB DNNAHE=*.HULL.STATION,DISP=(OLD,KEEP) TOFF001 DB UNIT-28CRTC, SPACE=24URKS, BISP=(NEW,DELETE), BCB=*.HULL.DATA TIFF001 DB UNIT-28CRTC, SPACE=24URKS, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI3F001 DB UNIT-28CRTC, SPACE=24URKS, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI3F001 DB UNIT-28CRTC, SPACE=24URKS, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI4F001 DB UNIT-28CRTC, SPACE=24URKS, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI4F001 DB UNIT-28CRTC, SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI4F001 DB UNIT-28CRTC, SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI4F001 DB UNIT-28CRTC, SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA TI4F001 DB UNIT-28CRTC, SPACE=24URKSP, BISP=(NEW,DELETE), BCB=*.HULL.DATA	W 1 3 1 3 1 1 4			00001470
TO4F001 DB DSM== HITME (A,LT,FORT), (B,LT,FLAWK)) TO4F001 DB DSM== HULL.DATA,DISP=(OLD, KEEP) TO6F001 DB DSM== HULL.DATA,DISP=(OLD, KEEP) TO6F001 DB DSM== HULL.STATION,DISP=(OLD, KEEP) TOFF001 DB DSM== HULL.STATION,DISP=(OLD, KEEP) TOFF001 DB DSM== HULL.STATION,DISP=(OLD, KEEP) TOFF001 DB DSM== HULL.DATA TOFF001 DB UNIT=SCRTC, SPACE= 240RKSP, BISP=(WEU, BELETE), BISP=(WEU, B		1	DOMES INTO CYCLMOB TIME - (BUTTME O) DEGIONSTHOEG	X00001680
TOFFOOI DB BSN==.HULL.DATA,DISP=(OLD,KEEP) TOSFOOI DB BSN==.HULL.DATA,DISP=(OLD,KEEP) TOFFOOI DB BSN==.HULL.DATA,DISP=(OLD,KEEP) TOFFOOI DB BSN==.HULL.STATION,DISP=(OLD,KEEP) TOFFOOI DB UNIT-ASCRIC, SPACE=AUGRKSP, BISP=(MEU,BELETE), BISP=(2	DADES CELLER C	X00001690
TOFFOOI DB DSN=&.HULL.DATA,DISP=(OLD,REEP) TOFFOOI DB SAN=&.HULL.DATA,DISP=(OLD,REEP) TOFFOOI DB SAN=&.HULL.STATION,DISP=(OLD,KEEP) TOFFOOI DB DAME=&.HULL.STATION,DISP=(OLD,KEEP) TOFFOOI DB DAME=&.HULL.STATION,DISP=(OLD,KEEP) TOFFOOI DB UNIT-&SCRTC, SPACE=&UORKSP, BISP=(MEW,BELETE), SPACE=&UORKSP, BISP=(MEW,BELETE), BISP=(MEW,BELETE), SPACE=&UORKSP, BISP=(MEW,BELETE), BISP=(MEW,BELETE), SPACE=&UORKSP, BISP=(MEW,BELETE), BISP=(MEW,BELETE), SPACE=&UORKSP, BISP=(MEW,BELETE), SPACE=&UORKSP, BISP=(MEW,BELETE), BISP=(MEW,BELE			COMP. (4 IT 1861) (8 IT SAIL) (8 IT PLANK))	0001200
105F001 DB DSN=*.HULL.DATA,DISP=(OLD,KEEP) 106F001 DB BSN=&&HULLI,DISP=(OLD,DELETE) 106F001 DB BSNAHE=*.HULL.STATION,DISP=(OLD,KEEP) 109F001 DB DSNAHE=*.HULL.STATION,DISP=(OLD,KEEP) 110F001 DB UNIT=&SCRTC,	***			00001710
105F001 DB SN=42HULLI, BISP=(0LD, DELETE) 106F001 DB SNP=42HULLI, BISP=(0LD, DELETE) BCB=(RECFN=FBA,LRECL=133, BLKSIZE=1330) 109F001 DB DSNANE=+.HULL.STATION, DISP=(0LD, KEEP) 110F001 DB UNIT=8SCRTC, 111F001 DB UNIT=8SCRTC, 112F001 DB UNIT=8SCRTC, 112F001 DB UNIT=8SCRTC, 112F001 DB UNIT=8SCRTC, 113F001 DB UNIT=8SCRTC, 113F001 DB UNIT=8SCRTC, 114F001 DB UNIT=8TD U	1/61045001	9	BCM=& WILL DATA DISP=(DID KEEP)	00001720
TOSFOOT DD BSW=\$2HULLI, DISP=(OLD, DELETE) DCB=(RECFN=FBA, LRECL=133, BLKSIZE=1330) DCB=(RECFN=FBA, LRECL=133, BLKSIZE=1330) TOFFOOT DD BSWANE=- HULL.STATION, DISP=(OLD, KEEP) TOFFOOT DD UNIT-&SCRTC, SPACE=240RKSP, DISP=(NEW, DELETE), DCB=- HULL.DATA TI2FOOT DD UNIT-&SCRTC, SPACE=240RKSP, DISP=(NEW, DELETE), DCB=- HULL.DATA TI3FOOT DD UNIT-&SCRTC, SPACE=240RKSP, DISP=(NEW, DELETE), DCB=- HULL.DATA TI3FOOT DD UNIT-&SCRTC, SPACE=240RKSP, DISP=(NEW, DELETE), DCB=- HULL.DATA TI4FOOT DD UNIT-&SCRTC, SPACE=240RKSP, DSP=(NEW, DELETE), DSP=(NEW, DELETE), DSP=(NEW, DELETE), SPACE=240RKSP, DSP=(NEW, DELETE), SPACE=240RKSP, DSP=(NEW, DELETE), DSP=(NEW, DELETE), SPACE=240RKSP, DSP=(NEW, DELETE), SPACE=240RKSP, DSP=(NEW, DELETE), DSP=(NEW, DELETE), SPACE=240RKSP, DSP=(NEW, DELETE), DSP=(NEW,	*//	:		00001730
106F001 DD 14P1, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) 109F001 DD BSNAME=*.HULL.STATION,DISP=(OLD,KEEP) 10F001 DD UNIT=&SCRIC, SPACE=&LURKSP, BISP=(WEW,BELETE), BOSP=*.HULL.DATA 111F001 DD UNIT=&SCRIC, SPACE=&LURKSP, DISP=(WEW,BELETE), BOSP=*.HULL.DATA 113F001 DD UNIT=&SCRIC, SPACE=&LURKSP, DISP=(WEW,BELETE), BOSP=*.HULL.DATA 114F001 DD UNIT=&SCRIC, SPACE=&LURKSP, DISP=(WEW,BELETE), BOSP=*.HULL.DATA 114F001 DD UNIT=&SCRIC, SPACE=&LURKSP, DISP=(WEW,BELETE), BOSP=*.HULL.DATA 114F001 DD UNIT=&SCRIC, SPACE=&LURKSP, SPACE=&LURKSP, DISP=(WEW,BELETE), BOSP=*.HULL.DATA 114F001 DD UNIT=&SCRIC, SPACE=&LURKSP, SPACE=&LURKSP, SPACE=&LURKSP, DISP=(WEW,BELETE), DI	//FT05F001	00	DSM=22HULL T. DISP=(OLD. DELETE)	00001740
TOGFOOI DB & MPI, DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) TOGFOOI DB DSWAME=*.HULL.STATION,DISP=(OLD,KEEP) SPACE=240RKSP, BISP*(MEW,BEETE), BUSP*(MEW,BEETE), BU	*/			00001750
DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330) TOFOOI DD BSNANE=+.HULL.STATION,DISP=(OLD,KEEP) TIOFOOI DD UNIT-&SCRTC, BISP=(MEW,BELETE), BISP=(MEW,BE	//FT06F001	00	INDI.	X00001760
TIOFOOI DD BSNAME=*.HULL.STATION,DISP=(OLD,KEEP) FOACE=BUORKSP, BISP=(MEW,BELETE), BISP=(MEW,BELETE), BOB=*.HULL.DATA FOACE=BUORKSP, BISP=(MEW,BELETE), BOB=*.HULL.BATA FOACE=BUORKSP, BISP=(MEW,BELETE), BOB=*.HULL.BATA FOACE=BUORKSP, BISP=(MEW,BELETE), BOB=*.HULL.BATA			DCB=(RECFN=FBA,LRECL=133,BLKSIZE=1330)	00001770
10F001 DD DSNAME==.HULL.STATION,DISP=(OLD,KEEP) 110F001 DD UNIT=&SCRTC,	*//			00001780
TIOFOOI DD UNIT-&SCRTC, BISP-(MEW.BELETE), B	//FT09F001	2	DSMAME = +. HULL.STATION, DISP = (OLD, KEEP)	00001790
TIOFOOI BD UNIT=8SRTC, SPACE=8UGRKSP, BISP=(MEU, BELETE), BISP=(MEU,				00001800
SPACE = 200RKSP, BISP (MEW, BELETE), BUSP (MEW, BELETE), SPACE = 200RKSP, BISP (MEW, BELETE), BCB = 4.0KL.DATA 712F001 DD UNIT = 85CRTC, SPACE = 200RKSP, BISP (MEW, BELETE), BOS = 4.0KL.DATA 713F001 DD UNIT = 85CRTC, SPACE = 200RKSP, BISP = (MEW, BELETE), BCB = 4.0KL.DATA 714F001 DD UNIT = 85CRTC, SPACE = 200RKSP, SPACE = 200RKSP, SPACE = 200RKSP, SPACE = 200RKSP,	//FT10F001	8		X00001810
BISP-(MEU, BELETE), DE==-NULL.BATA TITEOTI BD UNIT=&SCRTC, BISP-(MEU, BELETE), DE==-NULL.BATA TIZFOOTI BD UNIT=&SCRTC, SPACE=&UORKSP, BISP=(MEU, BELETE), BISP=(MEU, BELETE), BISP=(MEU, BELETE), BISP=(MEU, BELETE), BISP=(MEU, BELETE), BISP=(MEU, BELETE), BISP=(MEU, BATA TIAFOOTI BD UNIT=&SCRTC, SPACE=&UORKSP, BISP=(MEU, BATA SPACE=&UORKSP, BISP=(MEU, BATA) SPACE=&UORKSP, BISP=(MEU, BATA)			SPACE=2UORKSP,	X00001820
BCB==.HULL.BATA TITFOOT BD UNIT=SCRTC, SPACE=&URKSP, BISP=(NEU, BELETE), BCB==.HULL.BATA TIZFOOT BD UNIT=SCRTC, SPACE=&URKSP, BISP=(NEU, BELETE), BISP=(NEU, BELETE), BCB==.HULL.BATA TI3FOOT BD UNIT=&SCRTC, SPACE=&URKSP, BISP=(NEU, BELETE), BCB==.HULL.BATA TI4FOOT BD UNIT=&SCRTC, SPACE=&URKSP, BISP=(NEU, BATA TI4FOOT BD UNIT=&SCRTC, SPACE=&URKSP, SPACE=&URKSP,	,		BISP=(WEW, DELETE),	X00001830
TITFOOL DD UNIT= SSCRTC, SPACE= & LOCKSP, BISP=(MEU, BELETE), BCB== .HULL.DATA TIZFOOL DD UNIT= SSCRTC, SPACE= & LOCKSP, BISP=(MEU, BELETE), BCB== .HULL.DATA TIJFOOL DD UNIT= ASCRTC, SPACE= & LOCKSP, BISP=(MEU, BELETE), BISP=(MEU, BELETE), BISP=(MEU, BATA TIJFOOL DD UNIT= ASCRTC, SPACE= & LOCKSP, BOB== .HULL.DATA TIJFOOL DD UNIT= ASCRTC, SPACE= & LOCKSP,	"		DCB=*.HULL.DATA	00001840
111F001 BB UNII=\$SCRTC,	•/,			00001820
SPACE = & WORKSP, BISP (ME, DELETE), BURIT = & SCRIC, SPACE = & WOLL. DATA BISP (ME, DELETE), BISP (ME, DELETE), BOS = * HULL. DATA TI3F001 DD UMIT = & SCRIC, SPACE = & WOLL. DATA BISP = (MEW, DELETE), BISP = (MEW, DELETE), BISP = (MEW, DELETE), SPACE = & WOLL. DATA	//FT11F001	2	UNIT=ESCRIC,	X00001860
DISP-(MEW, BELETE), DCB-*-HULL.DATA 112F001 DD UNIT-ESCRIC, BISP-(MEW, BELETE), BISP-(MEW			SPACE=240RKSP,	X00001870
DCB=+.MULL.DATA 112F001 DD UMIT=SCRTC,			DISP=(WEU, DELETE),	X00001880
TIZFOOI DD UNIT-ESCRIC, BISP-(NEU, DELETE), BISP-(NEU, DELETE), BISP-(NEU, DELETE), SPACE=&UORKSP, BISP-(NEU, DELETE), BISP-(NEU, DELETE), BISP-(NEU, DELETE), BISP-(NEU, DELETE), SPACE=&UORKSP, SPACE=&UORKSP,			DCB=+.MULL.DATA	00001890
112F001 DD UNIT=85CRIC,	*/			00001900
SPACE = BUORKSP, BISP (MEW, DELETE), BCB = * HULL. BATA TIJFOO! DD UNIT = BCRTC, BISP = (MEW, DELETE), BCB = * HULL. BATA TIAFOO! DD UNIT = BCRTC, SPACE = BUORKSP, SPACE = BUORKSP,	//FT12F001	2	UNIT=\$SCRTC,	X00001910
BISP=(MEU, DELETE), BCB==.HULL.BATA TI3F001 DB UNII=&SCRTC, SPACE=&UORKSP, BISP=(MEU, DELETE), BCB==.HULL.BATA TI4F001 DB UNII=&SCRTC, SPACE=&UORKSP,			SPACE=240RKSP,	X00001920
BCB**.HULL.BATA TI3F001 DB UNIT-&SCRTC, SPACE-&URKSP, BISP*(NEW, DELETE), BCB**.HULL.BATA T14F001 DB UNIT-&SCRTC, SPACE-&UGKSP,	1		DISP=(NEU, DELETE),	X00001930
TI3FOOI DD UNIT=85CRTC, SPACE=240RKSP, DISP(NEW,DELETE), BCB=*.HULL.DATA TI4FOOI DD UNIT=85CRTC, SPACE=240RKSP,			BCB**.HULL.BATA	00001940
TIJFOOI DB UMIT=&SCRTC, SPACE=&UORKSP, DISP=(MEU,DELETE), DCB==.MULL.DATA TIAFOOI DD UMIT=&SCRTC, SPACE=&UORKSP,	*/			00001950
SPACE BUORKSP, BISP = (MEW, DELETE), BCB = C. HULL. DATA TIAFOOI BD UNIT = ASCRIC, SPACE = BUORKSP,	//FT13F001	00		X00001960
DISP=(MEW.DELETE), DCB==.HULL.DATA T14F001 DD UNIT=&SCRTC, SPACE=&UGRKSP,		1	SPACE = LUDRESP	X00001970
DCB**.HULL.DATA T14F001 DD UNIT-&SCRTC, SPACE-&UGRKSP,	,,		DISP=(MEU.DELETE).	X00001980
TI4F001 DD UNIT-ASCRIC, SPACE-BUORKSP,			DCB**. HULL. DATA	00001990
DD UNIT-ESCRIC, SPACE-ELORKSP,	•//			00000000
SPACE = BUORKSP,	//FT14F001	2		X00002010
	"		SPACE- SUORKSP.	X00002020

"	DISP=(MEU, DELETE),	X0000Z030
	DCB=+. HULL . DATA	00002040
//FT15F001 DD	D UNIT=#SCRTC.	X00002060
		X00002070
"	DISP=(MEW, DELETE),	X00002080
,;	DCB=+.MULL.DATA	00002090
//FT21F001 DD	D UNIT = #SCRTC.	X00002110
		X00002120
"	DISP=(NEU, DELETE),	X00002130
"	DCD=*.HULL.DATA	00002140
•//		00002120
//FT22F001 DD	_	X00002160
"	SPACE=1UORKSP,	X00002170
	DISP=(NEU, DELETE),	X00002180
	BCE=+. HOLL . BAIA	00005190
		0000000
// 1235 001 00	COACE-GIODNED	X00002200
	STATE OF STA	X00002230
"	DCB=6-KIII DATA	00002240
•//		00002250
// PEND		00002260
//HULL EXEC HU	EXEC HULL, GEND=', V105', FPARM * NOSOURCE, TERM',	00002270
// PS1='	PS1 = 'SYSOUT = H, HOLD = YES', PS2 = 'SYSOUT = H, HOLD = YES',	00002280
// FP1='	FP1= DUMMY', LP1= SYSOUT=H, HOLD=YES',	00002290
// HP1=	'SYSOUT=H, MOLD=YES', HTIME=5, LIBPRE='AF2001.',	00002300
	OLDPRE='AF2001.',PP1='SYSOUT=H,HOLD=YES',PTINE='(0,10)'	00002310
++HULL PROC	-	X00000030
:	LIBPRE= SAIL.',	x00000040
:	LIBUs,	x00000020
:	LIBVOL=,	09000000X
:	CHMBLK=3521,	X000000X
:	CRE6=100K,	X0000000X
:	CHMLRL=3517,	0600000X
:	F11.0=,	X00000100
:	FLID= SYS1. FORTLIB',	X00000110
:	FPARM=MAP,	X00000120
:	FPROG=IFEAAB,	X00000130
:	FRE6=512K,	X00000140
:	FP1='SYSOUT=A',	X00000150
:	FSPACE= (CTL, (10,5), RLSE)',	X00000160
:	FTIME='(1,0)',	X00000170
:	BENO='(0)',	X00000180
:	60SPACE= (CYL, (20,5,1))',	X00000190
:	LAB0=,	X00000200
:	LNAME-HULL,	X0000010
:	LPARTS TAP .	X00000220
:	LPROG=IEWL,	X00000230
:	LRE6=512K,	X00000240

经协

			0.0000000
	::	* Mai 1000 10 11 11 11 11 11 11 11 11 11 11 1	X00000240
	:	LIME - (0,43) ,	00700000
	:	HULLSP='(CTL, (10,5), RLSE)',	0/700000Y
	:	MP1= SYSOUT=A',	X00000280
	:	HREG=175K,	X00000290
	:	HTIME=2,	X00000300
	:	OLD=HULL,	X00000310
	:	OLDDC8=,	X00000320
	:	OLDDS=SHR,	X00000330
	:	OLDPRE= SAIL	X00000340
	:	0,00-	X00000350
	:	OLDVOL=,	X00000360
	:	PPROG=PLANK,	X00000370
	:	PP1='SYSOUT=A',	X00000380
	:	PRCM=5000,	X00000380
	:	PRCL=3640,	X00000400
	:	PREG=100K,	X00000410
	:	PTIME='(1,0)',	X00000420
	:	PS1='SYSOUT=A',	X00000430
	:	PS2='SYSOUT=A',	X00000440
	:	SAILBLK=800,	X00000450
	:	SAILR=80,	X00000460
	:	SCRTC=SYSDA,	X00000470
	:	SPRO6=SAIL,	X00000480
	:	SREG=175K,	X00000490
	:	STINE='(2,0)',	X00000200
	:	UORKSP= (CYL, (5,5))	00000210
	***		* 00000250
-	Z	PGM=IEBGENER, REGION=1CREG	00000230
6	INI	DCRRY	00000240
•			000000220
		DANT = INAC	09000000
œ	++SYSUT2 DD	DSN=\$\$NULLI,	X00000270
	:	DISP = (MEL, PASS),	08500000X
	:	CALT-ESCRIC.	06C00000X
	:	SPACE=(TRK, (5,5), RLSE),	0090000X
	: :	UCB=(RECFR=FB,LRECL=80,BLK512E=1600)	0000000
•	//WIII DATA BD	DSM=AF2001 MILL PROBING DISP=(DID KEFP)	00000320
	// BCB=(REC		00002330
0	//HULL.STATION	DD DSM=AF2001. HULL. STAT1P3. DISP=(OLD, KEEP)	00002340
=	//HULL.IMPUT DD		00002350
12	++PLANK EXEC	PGM-2PPROG, TIME-2PTIME, REGICM-2PREG	0000000
			000000
13	++STEPLIB DD	DSM=&LIBPRE&LIB,	X00000620
	:	UNIT-&LIBU,	0990000X
	:	VOL-1118VOL,	02900000x
	:	DISP-SHR	08900000
			06900000
=	++FT04F001 DB	DSMAME = HULL.DATA, DISP = (OLD, KEEP)	00000000
	:		21/04000

13	++FT05F001	90	DD DSM=\$2HULLI.DISP=(OLD.PASS)	000000720
				0770000
:		-		000000
9	++1.1061.001	2		X00000/40
	:		DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)	00000020
	:			09200000
17	++FT07F001	2	DSX=bealTI.	X0000070
	:		DISP=(NEW, PASS).	X00000X
	:		UNIT=#SCRIC.	X00000790
	:		SPACE=(TRK, (5.5), RLSE).	X00000800
	:		DCB=(RECFM=FB_LRECL=80.BLKSIZE=1600)	00000810
	***************************************	-		00000820
00	AIL	EXEC	PGM=\$SPROG.TIME=\$STIME.REGION=\$SREG.	X00000830
				00000840
	:			00000820
10	++STEP1.18	D	DS2=11 12 P2 E4 12 .	X00000860
	:			X00000870
	:		UNI = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X00000880
	:		DISP=SHR	06800000
	:			00600000
20	++FT01F001	00	DUMNY	00000010
	:			00000050
21	++FT02F001	2	1	X0000030
	:		UMIT=10LDU,	X0000040
	:		LABEL=(&FILO,&LABO,,IN),	X0000050
	:		DISP=10LDDS,	09600000X
	:		VOL-2010VOL,	02600000x
	:		DCB-101 DDCB	0000000
	**			06600000
22	++FT03F001	2	UNIT=BSCRTC,	X00001000
	:		DISP=(NEW, DELETE),	X00001010
	:		DCS=(RECFM=USS, LRECL=SCHNLRL, SLKSIZE=SCHNBLK),	X00001020
	:		SPACE=(TRK, (20,20))	00001030
	:			00001040
23	++FT04F001	2	4PS2,	X00001050
	:		DC9=(RECF#=FBA, LRECL=133, BLKSIZE=1330)	0901000
	::			00001070
24	++FT05F001	8	DDMAKE-IMPUT	00001080
	:			00001090
25	++FT06F001	2	\$P\$1,	X00001100
	:		DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)	00001110
	::			00001120
26	++FT08F001	2	DSM-12HULL,	X00001130
	:		BISP=(#EL.PASS).	X00001140
	:		UMIT = BSCRIC.	X00001150
	:		SPACE=2HULLSP.	X00001160
	:		DCB=(RECFM=FB, LRECL=&SAILR, BLKSIZE=&SAILBLK)	00001170
	:			00001180
27	++FT09F001	2	DSM=##ALTI, DISP=(OLD, DELETE)	00001190
	:			0001200
28	++FT10F001	8	UNIT=&SCRIC,	X00001210
	:		DISP=(MEW,DELETE),	X00001220

	:		SPACE=(APRCL, (APRCN))	00001230
	***			00001240
39	++FT11F001	1 00		00001250
				00001260
30	++FT12F001	1 00	DUMMY	00001270
	***			. 00001280
31	//SAIL.INPUT			00002470
32	++FORT	EXEC		06210000X
	:		CO'D=((8,LT,PLANK),(8,LT,SAIL))	00001300
	:			00001310
33	++SYSPRINT	1 00		X00001320
	:		DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	00001330
	:	:		00001340
45	++SASEIN	00		200001330
	:		DISP=(MOD, PASS),	200001
	:		UNIT=#SCRTC,	X00001370
	:		SPACE=&FSPACE,	X00001380
	:		DCB=(RECFM=BF, LRECL=80, BLKSIZE=1600)	00001390
	::			00001400
35	++SYSIN	00	DSN=22HULL, DISP=(OLD, DELETE)	00001410
	***			00001420
36	++SYSUT1	00	UNIT=#SCRTC, SPACE=(CYL, (2,2))	00001430
	***			00001440
37	++SYSUT2	00	UNIT=&SCRTC, SPACE=(CYL, (2,2))	00001450
	:			00001460
38	//FORT.SYSTERM	STERM	DD SYSOUT=H, MOLD=YES	00002480
	+/SYSTERM	00	DUMMY	00001470
	***			00001480
39	*+LKED	EXEC		X00001490
	:		COND=((4,LT,FORT),(8,LT,SAIL),(8,LT,PLANK)),	X00001200
	:		PARM= 'BLPARM'	00001210
	::			00001220
04	++SYSPRINT	1 00		X00001530
	:		DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	00001240
	::			00001220
=	++SYSLIB	00		00001560
42	:	90	DSM=#FLIB, DISP=SHR	0/610000
,		:		00001380
43	++SYSUT1	00	UNIT=\$SCRTC, SPACE=(1024, (200,20))	00001290
	::	1		00001600
+	++SYSLMOD	9		X00001610
	:		UMIT=#SCRTC,	X00001620
	:		DISP=(,PASS),	X00001630
	:		SPACE = # GOSPACE	00001440
	***			00001650
45	++SYSLIN	8	0	00001660
	***			00001670
46	09++	EXEC	PGM=*.LKED.SYSLMOD,TIME=(&HTIME,O),REGION=&HREG,	X00001680
	: :		-	00001700
				00001710

	1 100140114	DD DSM=*.MOLL.DAIA, DISK=(ULD, KEEK)	22.000
			00001730
84	++FT05F001 D	DD DSM=&&HULLI, DISP=(OLD, DELETE)	00001740
	::		00001750
46	++FT06F001 D	DD &HP1,	X00001760
	:	DCB=(RECFM=FBA, LRECL=133, BLKSIZE=1330)	

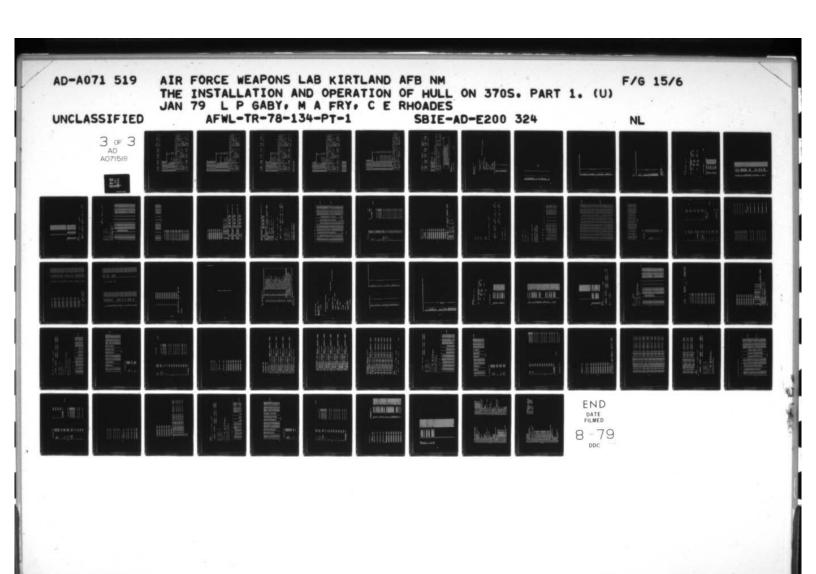
20	++FT09F001 D	DD DSNAME = *. HULL. STATION, DISP = (OLD, KEEP)	
	::		00001800
15	++FT10F001 D	DD UNIT=\$SCRTC,	X00001810
	:	SPACE = & WORKSP,	X00001820
	:	DISP=(MEU, DELETE),	X00001830
	:	DCB=*.HULL.DATA	00001840
	***		00001820
52	++FT11F001 D	DD UMIT-BSCRIC,	X00001860
	:	SPACE = \$40RKSP,	X00001870
	:	DISP=(MEU, DELETE),	X00001880
	:	DCB=*.HULL.DATA	00001890
	::		00001900
53	++FT12F001 D	DD UNIT= &SCRTC,	X00001910
	:	SPACE = \$40RKSP,	X00001920
	:	DISP=(NEW, DELETE),	X00001930
	:	DCB=*.MULL.DATA	00001940
	***		00001950
24	*+FT13F001 D	DD UNIT=\$SCRTC,	X00001960
	:	SPACE = \$40RKSP,	x00001970
	:	DISP=(NEW, DELETE),	X00001980
	:	DCB=*.HULL.DATA	00001990
	***		00005000
25	++FT14F001 D	DD UNIT=15CRTC,	X00002010
	:	SPACE = & UORKSP,	X00002020
	:	DISP = (NEU, DELETE),	X00002030
	:	DCB=+.HULL.DATA	00002040
	***		00002020
26	++FT15F001 D	DD UNIT=&SCRIC,	X00002060
	:	SPACE = \$40RKSP,	X00002070
	:	DISP=(NEU, DELETE),	X00002080
	:	DCB=*.HULL.DATA	00002090
	::		00002100

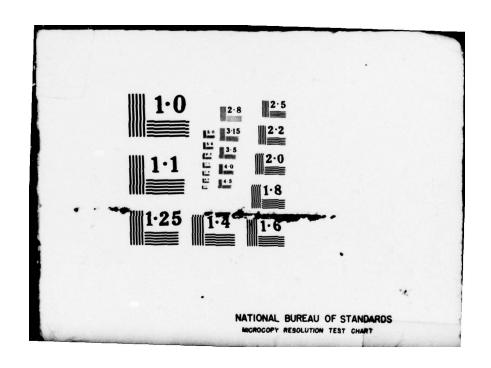
57	++FT21F001	++FT21F001 DD UNIT=\$5CRTC,	X00002110
	:	SPACE=\$WORKSP.	x00002120
	:	DISP=(NEW.DELETE).	X00002130
	:	DCB=*.HULL.DATA	00002140
	:		00002150
85	++FT22F001	BB UNIT=#SCRTC.SEP=FT21F001.	■ X00002160
3	:		X00002170
	: :	DISP=(NEW.DELETE).	X00002180
	:	DCB=*.HULL.DATA	00002190
	***		00002200
20	++FT23F001	DB UNIT=\$SCRIC.SEP=(FT21F001.FT22F001).	X00002210
;	:		X00002220
	:	DISP=(WEW, DELETE),	X00002230
	:	DCB=*.HULL.DATA	00002240
	::		00002250

```
| IEF6531 SUBSTITUTION JCL - PGM=IEBGENER, REGION=100K |
| IEF6531 SUBSTITUTION JCL - UNIT=5Y5DA, |
| IEF6531 SUBSTITUTION JCL - PGM=PLAMK, TIME=(0,10), REGION=100K |
| IEF6531 SUBSTITUTION JCL - DSN=AF2001.HULLIB, |
| IEF6531 SUBSTITUTION JCL - UNIT=, |
| IEF6531 SUBSTITUTION JCL - VOL=, |
| IEF6531 SUBSTITUTION JCL - VOL=, |
| IEF6531 SUBSTITUTION JCL - UNIT=, |
| IEF6531 SUBSTITUTION JCL - VOL=, |
| IEF6531 SUBSTITUTION JCL - UNIT=, |
| IEF6531 SUBSTITUTION JCL - DCB=(RECFH=VBS,LRECL=3517,BLKSIZE=3521), |
| IEF6531 SUBSTITUTION JCL - DCB=(RECFH=VBS,LRECH=3517,BLKSIZE=35217,BLKSIZE=35217,BLKSIZE-3517,BLKSIZ
                                                                              255757575
```

是社会

```
423 ADDRSPC = VIRTUAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMP CODE = 5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06/02/78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    36K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             172K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGION USED(USER) =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             36K SYS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUAP PAGES IN =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUAP PAGES OUT =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HARRY DIAMOND LABORATORIES COMPUTER CENTER -- STEP TERMINATION STATISTICS 05/052 REL 03.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PGM = IEBGENER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CPU TIME =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SERVICE =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OMIN 00.01SEC VIRT
          | IEF6531 SUBSTITUTION JCL - UNIT-57504, | IEF6531 SUBSTITUTION JCL - SPACE=(CYL, (5,5)), | IEF6531 SUBSTITUTION JCL - UNIT-57504, | IEF6531 SUBSTITUTION JCL - SPACE=(CYL, (5,5)), | IEF6531 SUBSTITUTION JCL - UNIT-57504, | IEF6531 SUBSTITUTION JCL - SPACE=(CYL, (5,5)), | IEF6531 SUBSTITUTION JCL - UNIT-57504, | IEF6531 SUBSTITUTION JCL - SPACE=(CYL, (5,5)), | IEF6531 SUBSTITUTION JCL - SPACE-(CYL, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROT KEY = 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    172K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STEP # =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OMIN 00.22SEC SRB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGION USED(SYSTEM) =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AF2001H HULL HULL - STEP WAS EXECUTED - COND CODE 0000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PASSED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ELAPSED = 00:00:02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KEPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KEPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VIO PAGES IN =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ASID = 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SYS78153.7134841.RA000.AF2001H.HULLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / START 78153.1348
/ STOP 78153.1348 CPU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STOP = 13:48:44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JOBMANE = AF2001H STEPNAME = HULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 ALLOC, FOR AF2001H HULL HULL
11 DNY ALLOCATED TO SYSPRINT
11 DNY ALLOCATED TO SYSTIN
11 JES2 ALLOCATED TO SYSUT1
11 55A ALLOCATED TO SYSUT2
11 492 ALLOCATED TO SYSUT2
11 152 ALLOCATED TO SYSOT142
11 152 ALLOCATED TO SYSOT142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PERFORM = 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JES2, JOB00279, SI0101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VOL SER NOS= USER07.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VOL SER NOS= USEROT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VOL SER NOS= WORKSO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGION AVAILABLE = 10736K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AF 2001 . HULL . PROBIP3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VOL SER NOS= WORKSO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AF 2001. HULL . STAT1P3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SYSCTLG.USER01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         START = 13:48:41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PGM PAGES IN =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IEF 3731 STEP /HULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IEF3741 STEP /HULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DPRTY = 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IEF 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1EF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IEF 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IEF 237 I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IEF2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IEF1421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IEF2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IEF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IEF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IEF 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IEF 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1EF 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1EF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IEF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IEF 2851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1EF 2851
```





			**********			********					
UNIT 15A	EXCP 'S 000001	UNIT 492	EXCP 'S 000000	UN11 152	EXCP 'S 000000	UNIT 492	EXCP 'S 000000	TINO	UNIT EXCP'S	TIND	UNIT EXCP'S
								STEP COST	.0ST =	\$0.01	
	2	DOTH PL	ANK HULL								
EF 2371 15	159 ALLUCATED TO STEPLIB	TO SYSDOLAR	00144								
		10 FT0	4F001								
		TO FT0	SF001								
EF 2371 JE	JESS ALLOCATED TO FTO6F001	10 FT0	6F001								
	0	וחרר -	STEP WAS EXE	CUTED -	COND CODE	0000					
	AF 2001 . HULLIB	_			KEPT	_					
EF 2851	VOL SER NOS= USERO6.	USER06									
EF 2851	SYSCTLG. USERO1	-			KEPT	_					
EF 2851	VOL SER NUS= USEROT.	USEROI			KEPT	_					
EF 2851	VOL SER NOS= WORKSO.	UORK50									
EF 2851	SYS78153.7134841.RA000.AF2001H.HULLI	1841.RA	000 AF 2001H.	HULL I	PASSED	SED					
EF 2851	VOL SER NOS= USERO7.	USER07									
EF 2851	JES2. JOB00279. S00102	. 50010	2		SYSOUT	18.5					
EF 2851	515/8155.1154841.KR000.AF 2001M.ALII	HAF PAR	000 AF 2001H.	AL :	FASSE	25.0					
ST	STEP /PLANK /	START	/ START 78153.1348								
3741 ST	•	STOP	STOP 78153.1348 CPU		OMIN 00.755EC SRB	SEC SRB	OMIN 00.05SEC VIRT	SEC VIRT	92K SYS	S 188K	
HARRY	HARRY DIANGND LABORATORIES COMPUTER CENTER STEP TERNIMATION STATISTICS	RATORI	ES COMPUTER	CENTER	STEP TE	RMINATION	STATISTICS	08/082	05/US2 REL 03.7	A168	06/02/78
LOBNA	JOBNAME = AF2001H		STEPHANE = PLANK			STEP # =	1 = 2	PGM = PLANK	PLANK	= 3000 ANOO	ODE = S000
BPRTY	DPRTY = 118	PERFO	PERFORM = 13	ASID =	+	PROT KEY =	KEY = 8	SERVICE	11	88 ADDRS	1588 ADDRSPC = VIRTUAL
START	START = 13:48:44	STOP	STOP = 13:48:49	ELAPS	ELAPSED = 00:00:05	:02		CPU TINE	"	0.80	
REG10	REGION AVAILABLE = 10736K	10736	¥	REGIO	REGION USED(SYSTEM) =		188K	REGION	REGION USE (USER)		92K
# 9 d	PGM PAGES IN =	• •		4 017	VIO PAGES IN =	00		SUAP PAGES	SUAP PAGES IN =		
								# SWAPS			0
159	EXCP 'S 000000	152	EXCP 'S 000000	UNIT 492	EXCP 'S 000002	UNIT 15A	EXCP 'S 000010	158	EXCP 'S 000003	TIND	EXCP'S

IEF2361 ALLOC. FOR AF2001H SAIL HULL
i @ i @ i
32 ALIGGATED TO STEPLIB 32 ALIGGATED TO STEPLIB 32 ALIGGATED TO FT01001 33 ALIGGATED TO FT01001 34 ALIGGATED TO FT01001 35 ALIGGATED TO FT01001 35 ALIGGATED TO FT03001 36 ALIGGATED TO FT03001 37 ALIGGATED TO FT10001 38 ALIGGATED TO FT10001 38 ALIGGATED TO FT10001 38 ALIGGATED TO FT10001 38 ALIGGATED TO FT10001 39 ALIGGATED TO FT10001 39 ALIGGATED TO FT10001 30 ALIGGATED TO FT10001 30 ALIGGATED TO FT10001 30 ALIGGATED TO FT10001 37 ALIGGATED TO FT10001 38 ALIGGATED TO
157
15.2 ALICCATED TO STEPLIB 15.2 ALICCATED TO STOOT 15.3 ALICCATED TO FT0900146 15.4 ALICCATED TO FT0900146 15.4 ALICCATED TO FT0900146 15.4 ALICCATED TO FT090011 15.4 ALICCATED TO FT090011 15.5 ALICCATED TO FT090011 15.5 ALICCATED TO FT090011 15.5 ALICCATED TO FT109001 15.5 ALICCATED TO FT109001 15.4 ALICCATED TO FT110001 15.4 ALICCATED TO FT11001 16.4 ALICCATED TO FT11001 16.4 ALICCATED TO FT0101 16.
155 ALLOCATED 10 STEPLIB 157 ALLOCATED 10 FORPOITA 158 ALLOCATED 10 FORPOITA 159 ALLOCATED 10 FORPOITA 159 ALLOCATED 10 FORPOIT 150 ALLOCATED 10 FORPOIT 150 ALLOCATED 10 FORPOIT 150 ALLOCATED 10 FORPOIT 150 ALLOCATED 10 FORPOIT 151 ALLOCATED 10 FORPOIT 152 ALLOCATED 10 FORPOIT 153 ALLOCATED 10 FORPOIT 154 ALLOCATED 10 FORPOIT 155 ALLOCATED 10 FORPOIT 156 ALLOCATED 10 FORPOIT 157 ALLOCATED 10 FORPOIT 158 ALLOCATED 10 FORPOIT 158 ALLOCATED 10 FORPOIT 159 ALLOCATED 10 FORPOIT 150 ALLOCATED 10 F

	* * *	* * *		* *	* *	* *	* * * *	* * *	
		8	5004	TUAL					
000888		06/02/78		96917 ADDRSPC = VIRTUAL				S	
			= 3000 ANOO	SPC		520K	000	EXCP	
159	86.98	23.4K	di O	ADDR	2			UNIT	\$3.55
	6	ا م	3	516	28.42	£ .			*
50		520K SYS	a .	6		DOUSE	N TO	۶,	
EXLP'S 000003		: = :	IFEA	"	#E =	USE	AGES AGES S	EXCP	UST :
UNII EXCP'S	STEP COST	C UIRT 520K SY	PGM = IFEAMB	SERVICE	CPU TIME =	REGION USED (USER) =	SUAP PAGES IN SUAP PAGES OUT	UNIT EXCP'S	STEP COST
5	67	8 1	4	S	5	æ		3	S
		4.70							
EXCF 5		OMIN 07.49SEC VIRT		-		¥		EXCP 'S	
			STEP # =	PROT KEY		236K	00		
15A			STE	PRC		# 		UNIT 15B	
		DE 0004 PASSED DELETED DELETED SYSOUT		-	04:0	YSTE			
EXCF S 000374		COND CODE 0004 PASSED DELETED 3 DELETED 4 DELETED SYSOUT OHIM 20.93SEC SRB		-	ELAPSED = 00:04:08	REGION USED(SYSTEM) =	UIO PAGES IN =	EXCP 'S 008869	
		CON 1		"	SED	2	VIO PAGES VIO PAGES		
492		DADSE		ASID =	ELAP	RE 61	001	UNIT 158	
		7 H H H H H H H H H H H H H H H H H H H	_		_				
EXCP'S 000000 005324		DRT HULL SPRINT SLIN SIN SUT SUT STEF WAS EXEC A000.AF2001H. 6.000.AF2001H. 6.7. 7. 7. 7. 7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	FOR	=	02:4			5.88	
EXCP'S 000000 005324		PRINT H I I I I I I I I I I I I I I I I I I	AME	R	-	×		EXCP'S 000888	
152 152		- FOR AF2001H FORT HULL ALLOCATED TO SYSPINI ALLOCATED TO SYSLIN ALLOCATED TO SYSLIN ALLOCATED TO SYSUIN ALLOCATED TO SYSUE ALLOCATED TO SYSUE ALLOCATED TO SYSUE ALLOCATED TO SYSUE ARE NOS SYSTERM THE FORT HULL - STEP WAS EXECUTE TO SYSTERM SER NOS SOS SOS SER NOS S	TEPN	PERFORM =	STOP = 14:02:41	0736	247	159	
		ED 1100000000000000000000000000000000000	=					-	
3 0 4		006AT	F 200		58:3	LABL	1 L	w 0	
EXCF'S 000000 0000004		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	JOBWANE = AF2001H STEPWANE = FORT	DPRTY = 118	START = 13:58:33	REGION AVAILABLE = 10736K	PGN PAGES IN	EXCP'S 000150	
159		ALLOC DMY 158 158 150 150 150 150 150 150 875 875 875 875 875 875 875 875 875 875	-	RTY	ART	610N	PGN PAGES	TINU 15A	
5		37.55.55.55.55.55.37.37.37.37.37.37.37.37.37.37.37.37.37.		4	S	3.	22	5-	
* * *	+ + +								

IEF2361 ALLOC. FOR AF2001H LKED HULL IEF2371 JES2 ALLOCATED TO SYSPRINT

							VIRT 196K SYS 240K	05/US2 REL 03.7 A168 06/02/78	PGM = IEUL COMP CODE = SOOO	SERVICE = 8304 ADDRSPC = VIRTUAL	CPU TIME = 2.56	REGION USED(USER) = 196K	SUAP PAGES IN = 0 SUAP PAGES OUT = 0 H SUAPS	EXCP'S UNIT EXCP'S 000151	STEP COST = \$0.29
	Umm! COND CODE 0000 SYSOUT KEPT	KEPT	KEPT	R0000005 DELETED	GOSET PASSED	LOADSET DELETED	ONIN 02.04SEC SRB ONIN 00.52SEC	HARRY DIAHOND LABORATORIES COMPUTER CENTER STEP TERMINATION STATISTICS OS/V	STEP # # 57	ASID = 4 PROT KEY = 8 SERV	ELAPSED = 00:00:34 CPU	REGION USED(SYSTEN) = 240K REGI	VIO PAGES IN = 0 SUAP PAC VIO PAGES OUT = 0 SUAP PAC	UNIT EXCP'S UNIT EXCP'S UNIT	91EP
IEF2371 159 ALLOCATED 70 SYSLIB IEF2371 490 ALLOCATED TO IEF2371 152 ALLOCATED TO SYSUTI IEF2371 150 ALLOCATED TO SYSUTI IEF2371 150 ALLOCATED TO SYSLIM IEF2371 150 ALLOCATED TO SYSLIM	AF200 JES AF2	S	IEF2851 VOL SER NOS= D50002. IEF2851 SYSCTLG.USER01				1EF2831	* HARRY DIAMOND LABORATORIES COMPUTER	- JOBNANE = AF2001H STEPNANE = LKED	DPRTY = 118 PERFORM = 13	START = 14:02:42 STOP = 14:03:16	REGION AVAILABLE = 10736K	# PGN PAGES IN # 33	* UNIT EXCP'S UNIT EXCP'S * 159 000136 490 000191	

IEF2361 ALLOC, FOR AF2001H GO HULL
IEF2371 15D ALLOCATED TO FGM=*,DD
IEF2371 492 ALLOCATED TO F704F001
IEF2371 152 ALLOCATED TO SYS00150
IEF2371 15A ALLOCATED TO F705F001
IEF2371 JES2 ALLOCATED TO F705F001
IEF2371 AP2 ALLOCATED TO F705F001

		* * *			
	06/02/78	COMP CODE = \$000	447415 ADDRSPC = VIRTUAL		*
ı	240K	J dxio	ADDRS	7.	= 228K
	2		447415	210.74	REGION USED (USER) =
	. ~	PGM = PGM=*.DB	SERVICE =	CPU TIME =	ON USET
	SE	¥94	SERV	20	REGI
	OMIN 02.51SEC VIRT	•	8		*
	TION ST	STEP # =	PROT KEY		= 240K
KEPT KEPT KEPT DELETED	3MIN 28.23SEC SRB		•	80:20	REGION USED(SYSTEN) =
2	3MIN 28		-	ELAPSED = 00:07:08	N USED
R000000 R000000 R0000000 R0000000 R000000	CENTER		ASID =	ELAPS	REG10
AF2001H AF2001H AF2001H AF2001H AF2001H AF2001H AF2001H AF2001H AF2001H AF2001H	78153.1410 CPU	09 =	13	:10:25	
ALLOCATED TO FT11F001 ALLOCATED TO FT1F001 ALLOCATED TO FT2F001 SER NOS= USER04. SER NOS= USER07. 2.JB8002.79.50107 SER NOS= USER05. 2.JB8002.79.50107 SER NOS= USER05. SER NOS= USER06. SER NOS= USER07.	STOP 78153.1410 CPU 3MIN 28.23SEC SR ATORIES COMPUTER CENTER STEP TERMIMAT	EPNAME	PERFORM = 13	STOP = 14:10:25	736K
11 34841 1334841 13	LABORAT	TS HIO	3		JLE = 10
2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	41 STEP /60 / STOP 78153,1410 CPU 3MIN 28.23SEC SRB ONIN 02.5. HARRY DIAMOND LABORATORIES COMPUTER CENTER STEP TERMINATION STATISTICS	JOBNAHE = AF2001H STEPNAME = GO	8	START = 14:03:16	REGION AVAILABLE = 10736K
	STE	HOMBO	DPRTY = 118	ART	610M
167.2371 167.2371 167.2371 167.2371 167.2371 167.2371 167.2371 167.2851	IEF3741 STEP /GO		*	5	*

Man.

	000000000000000000000000000000000000000	321		010	VIO PAGES OUT =	•		SUAP	SUAP PAGES OUT		0
								# SUAPS	Se		
-	UNIT EXCP S	TIND	EXCP'S	LIND		TINO	EXCP'S	LIND	EXCP'S	LINI	EXCP'S
150	000000	492	690000	152	000000	15A	00000	492	000017	158	000000
159	000000	159	000000	15A		150	000000	158	000000	158	001038
15A	001177	150	000000								

165	16F2371 1 16F2851 16F2851 16F2851 16F2851 16F3751	57. 80. 109.	IEF2371 15D ALLOCATED TO SYSOOO01 IEF2851 SYS78153.71141025.RA000.AF2001H.R0000001 IEF2851 VOL SER MOS= USER04. IEF2851 SYS78153.7134841.RA000.AF2001H.GOSET IEF2851 VOL SER MOS= USER04. IEF2851 JOB /AF2001H / START 28153.1348	141025 3= USE 134841 3= USE 1 / ST	SYSO S.RAO B.RAO B.RAO ART	4.000 4.000 4.00	F2001H.	.60SET	5	2	KEPT DELETED	9		2	DELETED MATH 20 ABECT EDB CATH 20 BACET						
	E E		IAMOND LA	BORAT	ORIE	00 S	MPUTER	CENTER	5 1	800	TERMI	MATION	TATS N	ISTIC	30 8	S/VS2	REL	03.7	A168	* HARRY DIAMOND LABORATORIES COMPUTER CENTER JOB TERMINATION STATISTICS 05/02/7 A168 06/02/78	1
	10 N	TANE	* JOBNAME = AF2001H	I				CLAS		3		CLASS = C ASID = 4		-	Š	ERVICE	" "	SERVICE = 773500	0	SERVICE = 773500	
	STAR	=	START = 13:48:41 STOP = 14:10:25 ELAPSED = 00:21:44	S	= 40	=	10:25	ELAP	SED	90 =	:21:4	•			ō	CPU TIME =	= 4	CPU TIME = 350.44	Ŧ		
	-	10	* # PLOT RECORDS =		٥										7	03 60	1 19		2.52 +	* # PLOT RECORDS = 0 0.32.52 + PRINT/PUNCH	*

198

A. 100

THE IMPEE 3340 WORK PACKS, WORKOI, WORKOZ AND WORKOS, WILL BE
REPLACED BY A SINGLE 3350 VOLUME LABELLED WORKSO ON TUESDAY,
30 MAY 1978. CONCURRENTLY, THREE ADDITIONAL 3340 USER PACKS,
LABELLED USEROS, USEROS AND USERO7, WILL BECOME AVAILABLE. THE
USE ATTRIBUTE OF THE MEW WORKSO VOLUME WILL BE 'STORAGE'. THE USE
ATTRIBUTE OF THE NEW 3340 USER PACKS AND ALL OTHER USER PACKS WILL
BE CHANGED TO PUBLIC.

OUT Generating Hull Tape4 Search for Start Cycle

STEEL PENETRATOR INTO CONCRETE

:

PMUB 1.3000 CYCLE 0 IIME 0.0 BACKSPACING 2 RECORDS TAPE POSITIONED DISK VERSION ***** OPTIONS SELECTED FOR THIS RUN *****

DIFFERENCE NETHOD -

WITH & FLUXED HISTORIES/CELL

AND MATERIAL STRENGTH

SOLIDS - NO STRENGTH STATION DATA ROUTINES INCLUDED EQUATION OF STATE -

CONSTANT VOLUME AND ENERGY FLUXING REZONE -ATHOSPHERE -

NO REZOME - 3000

HULL

2-D DIMENSIONS -GEONETRY -

CYLINDRICAL NO RADIATION ROUTINES PARTICLES -

CODE INCLUDED THE FOLLOWING OPTIONS WERE DEFINED BY PLANK.

BBOUND

-	~	2
AIR	FE	COMCRT

THE FOLLOWING DEFINITIONS OR REDEFINITIONS WERE MADE DURING EXECUTIVE PROCESSING

370	-	-	•	•	-	•	•	~	-	0	8	•	16000	01	84	3020	-	-	•	•	21	12	13	15	17	=	13	16	50	-
								"						,							"	"				**	,,	n	,,	,
SYS	VER	08JL18	TAPELIB	CDC	IBM	X	2	2	RDEND	CARDL	CARDO	DOUBLE	MEC	NBLKS	NP1C	NPICHAX	STRAIN	STRESS	DEBUG	FILHPR	DSNAMEA	DSNAMEB	DSNAMEB	DONANED	DSNAMEB	DSNAMEC	DONAMEC	DONAMEC	DSNAMED	AIREOS
															20	12														

Fig.

TNO

105

8869 CARDS GENERATED
END OF NORMAL RUN
SYSTEM HULL , VERSION
CREATED 19MAY78

HULL START

PROB 1.3000 STARTUP ON CYCLE 0 TIME 0.0

MATERIAL	MATERIAL PROPE Ambient yield (YO)	ERTIES BEFI THERMAL YLD/YO	MAIERIAL PROPERTIES DEFINED FOR THIS RUN HBIENT YIELD THERMAL SHOFTENING (YO) YLD/YO EE/EMELT	7.1	WORK HARDENING	STRAIN
7	4.690E+09	1.00E+00 9.00E-01 9.00E-01	5.00E-01 5.00E-01 1.00E+00	4.690E+09	66	3.006-01
m	3.000E+09	1.00£+00 3.00£+28 0.14£+27 0.0	0.0 -2.23E-67 0.19E-19 1.00E+00	3.000E+09 -5.208E+22	52	0.0

STEEL PENETRATOR INTO CONCRETE

+00 4114CCCC00000000	415000000000000	0000000000000000	4110000000000000	000000010000000	0000000000000000	412000000000000	3A2AF31E00000000	00000000000000000	4160000000000000	0000000000000000	3FCCCCCB00000000	0000000000000000	4130000000000000	4120000000000000	4214000000000000
1.30000B+00	5.00000B+00	0.0	1.00000D+00	0.0001D-79	0.0	2.00000D+00	1.000000-08	0.0	6.00000B+00	0.0	5.00000D-02	0.0	3.00000D+00	2.00000D+00	2.00000D+01
BLK/ PROB	ATMOS	BREF	3000	0100	CYCLE	DIMEN	10	ELC	E08	ETH	EXPAND	FAIL	FLUXER	GEOM	IMAX

000000000000000000	000000000000000	000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000		41A000010C6F7A0B	32P 509 0 20 0 20 0 30 0 30 0 30 0 30 0 30 0	5154BC740000000	0000000178067200	00000000780672C4	41F000000000000	4237000000000000	4255000000000000	413000010C6F7A0B	3C10C6F7BCDBAFF5	3E4189370000000	485800D0B8000000	485A00D16000000
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1.000D+01	4.500B+02	1.000B+20	0.000B-79	0.000D-79	1.500D+01	5.500D+01	8.500D+01	3.000D+00	1.000D-06	1.0000-03	1.4760+09	1.5100+09
																			•					NOPT	MRELER	8888B	DCYCST	PRINTU	DEBUG	XINEU	YINEU	. YZNEU	TIMES	DMPINT	VHIN	ITRACE	JTRACE

State.

REL ERROR E+13 0.0

KINETIC ENERGY TOTAL ENERGY ETH 5.73509835 E+13 6.24795771 E+13 6.24795771

INTERNAL ENERGY 5.12859885 E+12

DT 1.000000E-08

TIME 0.0

CYCLE

PROB 1.3000

MASS		H			KELME
	5.47	4 47013001	5443	•	
	2	0.430 207	2013	?	

					SEC	
					•	
					O HOURS, O MIN, O SEC	SEC
						. 8
•	•	0 C 0 I TA	•		HOURS	TIME FOR THIS RUN 0 HOURS, 0 MIN, 0 SEC I= 1 X(I)= 0.500 DX(I)= 0.500
7	7	_	_		•	• .
•	0	•				-=
AT 1 0 J 0	O CO ITA	1 1	0 CO I TA	•	=	DURS
4	4	•	=	CELL SETTING DT, I 0 J 0	TOTAL TIME FOR THIS PROBLEM	• 8
				_	S	
		_			=	3
MAX VEL = 0.0	MAX CS = 0.0	MAX TENP= 0.0	MAX P = 0.0	NG 91	F.08	HIS R
			_	Ē	¥	E×
ı	CO .	=	•	35	=	F -
-	3	_	•	-	=	w
Ě	Š	Š	Š	평	5	Ē

×

35			0.0	7.810E+08		2.200E+00	0.0	0.0	0.0	9.00E+00		-01	8.63937E-0	E-01
3			0.0	7.810E+08		2.200E+00	0.0	0.0	0.0	6.50E+00			8.63937E-01	E-01
34	8.140E+05	0.0	0.0	7.810E+08		2.200E+00	0.0	0.0	0.0	7.00E+00		-01 3	8.63937E-01	10-3
35			0.0	7.810E+08		2.200E+00	0.0	0.0	0.0	7.50E+00	00 5.00E-01	01 3	8.63937E-01	10-3
1				7 8105+08		2 200F+00		0 0	0.0	8.00F+00		01 3	8.63937F-01	10-J
3 2				2 0105 400		2 2005 400				8 50F+00		7 10	8 43977F-01	F-01
, 2				7 810F+08		2 200E+00		0.0	0.0	■.00F+00			8.63937E-01	E-01
2 2				7 8105 +08		2 2005 +00		0	0	9.505+00			8.63937F-01	F-01
9			0.0	7.810F	108 2	7.810F+08 2.200F+00	0.0	0.0	0.0	1.00£+01			8.63937E-01	E-01
								MATERIAL MAP						
	•	2												
			AL TITUDE	30										
	1234567890	12345678901234567890												
			METERS	S										
-		****************		05										
7		*****************	-9.000E-02	0.5										
2		++++++++++++++++ -8.500E-02	-8.500E-	0.5										
4 (***********	-8.000E-02	65										
0		XX+++++++++++++++ -7.500E-02	-7.500E-	20										
•		***************	-7.000E-02	05										
1		XX++++++++++++++ -6.500E-02	-9.500E-	0.5										
•														
00		XX++++++++++++++++ -6.000E-02	-9.000E-	0.5										
0		*****************	-5.500E-02	02										
2	XX++++++			05										
=	11 XX++++++++++++++		-4.500E-02	05										
	_													
12	XX++++++	XX+++++++++++++++ -4.000E-02	-4.000E-	02										
13	13 XX++++++++++++++ -3.500E-02	*********	-3.500E-	02										
-	14 XX+++++++++++++++ -3.000E-02	********	-3.000E-	02										
5	*******X	XX+++++++++++++++ -2.500E-02	-2.500E-	02										
	,													
16	XX++++++	XX++++++++++++++++++++++++++++++++++++	-2.000E-	02										
17	XX++++++	**************************************	-1.500E-02	02										
8	XX	XX	-1.000E-02	05										
19	XX			03										
	,													
20	********************************		-9.537E-09	60										
7	000000000000000000000000000000000000000		5.000E-03	03										
	_													
22		0000000000000000000000	1.000E-02	02										
-														
23	000000000000000000000	0000000000	1.500E-02	05										
24	000000000000000000000000000000000000000	0000000000	2.000E-02	02										
25	00000000000000000000	0000000000	2.500E-02	05										
26	26 000000000000000000000000000000000000	0000000000	3.000E-02	02										

```
75118260
                                                                                                                                                                                                                                                                                                                                                                                                                                                        773D2BA4
                                                                                                                                                                                                                                                                                                     75118260
                                                                                                                                                                                                                              IDT 1 JDT 20
IDT 1 JDT 20
IDT 2 JDT 20
                                                                                                                                                                                                                                                                                                                                                                         - UNDERFLOW OLD PSW 1S 078D000DA20899AE. REGISTER CONTAINED
REG. 14 REG. 15 REG. 0 REG. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                      . REGISTER CONTAINED
                                                                                                                                                                                                                                                                                                                                                                                                                 00000000
00074FF0
                                                                                                                                                                                                                                                                                                                                                                                                     00000000
00074FF0
                                                                                                                                                                                                                                                                                                                       00076BE4
                                                                                                                                                                                                                                                                                                                                                                                            00077624
                                                                                                                                                                                                                                                                                                                                                                                                     00000019
00AED078
                                                                                                                                                                                                                                                                                                                                 00000019
00AED078
                                                                                                                                                                                                                                                                                                                      60000000
                                                                                                                                                                                                                                                                                                                                                                                          0000000
                                                                                                                                                                                                                                                                                                                                                                                 REG. 15
00088FB0
00077530
00075538
                                                                                                                                                                                                                                                                                                               REG. 15
00088FB0
                                                                                                                                                                                                                                                                                                                                  00076870
                                                                                                                                                                                                                                                                                                      (P) - UNDERFLOW
                                                                                                                                                                                                                               DT 4.088E-08
DT 6.114E-08
DT 8.059E-08
DT 9.927E-08
DT 1.174E-07
DT 1.354E-07
                                                                                                                                                                                                                                                                                                                       62076ABA
42075BA6
00008858
                                                                                                                                                                                                                                                                                                                                                                                                     42075DBE
00008858
                                                                                                                                                                                                                                                                                                              REG. 14
                                                                                                                                                                                                                                                                                                                                                                                          62078300
                                                                                                                                                                                                                                                                                                                                                              STANDARD FIXUP TAKEN, EXECUTION CONTINUING INOZOBI IBCON - PROGRAM INTERRUPT (P) - UND TRACEBACK ROUTINE CALLED FROM ISM REG.
                                                                                                                                                                                                                              CYCLE 1 TIME 1.0000E-08 DT 4
CYCLE 2 TIME 5.0845E-08 DT 6
CYCLE 3 TIME 1.1203E-0.7 DT 8
CYCLE 4 TIME 1.9261E-0.7 DT 9
CYCLE 5 TIME 2.918E-0.7 DT 1
CYCLE 6 TIME 4.0931E-0.7 DT 1
CYCLE 7 TIME 4.0931E-0.7 DT 1
IMD2081 IBCOM - PROBRAM INTERRUPT (P) TRACEBACK ROUTIME CALLED FROM ISM
                                                5.000E-02
                                                                                                                                      8.000E-02
8.500E-02
                                                                                                                                                                    9.000E-02
                  4.000E-02
                                                                                                           7.000E-02
                                                                              6.000E-02
                                                                                       6.500E-02
                                                                                                                                                                                                  1.000E-01
                                                                           ENTRY POINT = 00075538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ENTRY POINT = 00075538
                                                                                                                                                                                                                                                                                                                         STATE
                                                                                                                                                                                                                                                                                                                                                                                              STATE
                                                                                                                                                                                                                                                                                                                                             MAIN
                                                31
                                                                              33
                                                                                                          35
27
                                                                                                                                       338
                                                                                                                                                                     38
                                                                                                                                                                                                   9
```

W.Lo.

IDT 2 JDT 20 5.34252296+08 XI(N+1)= -1.7518715E+08 KE(N+1)= 5.1168940E+06 5.3442099E+08 XI(N+1)= -1.7543890E+08 KE(N+1)= 5.3100000E+06 E-01 E-01 21 V= 2.43006349 E-01 V= 2.41543949 2 JDT E-04 E-04 101 MAIN 00008588
STANDARD FIXUP TAKEN, EXECUTION CONTINUING
CYCLE 9 TIME 8.6426E-07 BT 1.357E-07
***NYDRO - NEGATIVE ENERGY IN I 1 J 4 XI(N)=
***NYDRO - NEGATIVE ENERGY IN I 2 J 4 XI(N)= TIME 1.0000E-06 DT 1.386E-07 E+08 XM= 1.45382452 E-04 0.0 E+08 XM= 4.36691567 E-04 0.0 E+04 U= -3.23420405 1 J= 4 E+04 U= 0.0 NEG ENERGY AT I= P= 8.16855000 XI= -1.69173600 XM= 1.45382466 NEG EMERGY AT 1= P= 8.1724375 XI= -1.68040080 XM= 4.36692033

1

PROB 1,3000 CYCLE 10 11ME 9,99994E-07 DT 1,385681E-07

E+00 REL ERROR -6.17603683 6.24795771 E+13 TOTAL ENERGY 6.24791912 E+13 KINETIC ENERGY 5.58082346 E+ E+12 INTERNAL ENERGY 4.67095816

TOTAL MASS 8.43812891 E+03

E-01

RELMERR -6.06737196

MAX VEL = 7.62004E+05 AT I 2 J 12

MAX CS = 6.64689E+05 AT I 2 J 21

MAX TEMP 1.81835E+04 AT I 3 J 21

2 J 21

MAX P = 4.98883E+11 AT 1

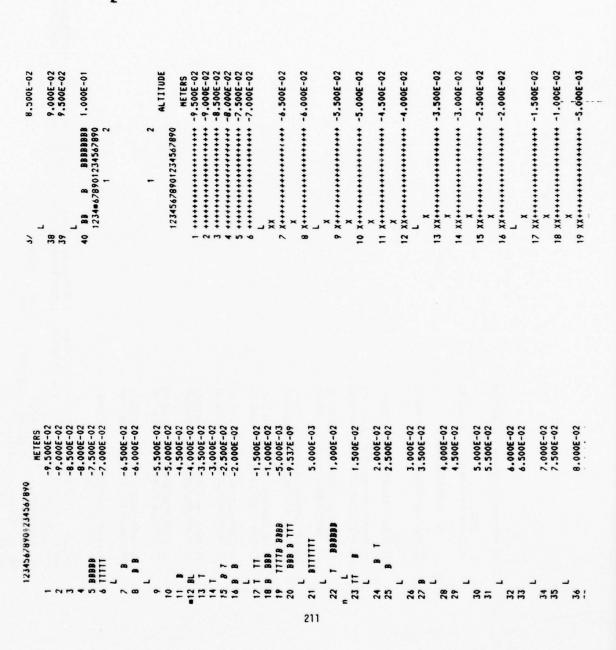
CELL SETTING DT, I 2 J 21

TOTAL TINE FOR THIS PROBLEM O HOURS, O MIN, 22 SEC

TIME FOR THIS RUN O HOURS, O MIN, 22 SEC WHIZ FACTOR TOTAL PROBLEN = 2.78E-03 SEC/CELL/CYCLE WHIZ FACTOR SINCE LAST DUMP = 2.67E-03 SEC/CELL/CYCLE

ANEX.

经验的



Pla.

```
1.9071220E+06
                                                                                                                                                                                                                                                                                                                     9,999904E+07 XI(N+1)= -5,8750054E+08 KE(N+1)=
1,000000E+08 XI(N+1)= -5,8741888E+08 KE(N+1)=
                                                                                                                                                                                                                                                                                                                                             E-01
                                                                                                                                                                                                                                                                                                                                                                               E-01
                                                                                                                                                                                                                                                                                                                                             V= 4.58243191
E-04
                                                                                                                                                                                                                                                                                                                                                                              E-01 V= 4.52145576
E-04
                                                                                                                                                                                                                                                                                                                                                                                                       2 JDT
                                                                                                                                                                                                                                                                                                                      4 XI(N)=
                                                                                                                                                                                                                                                                                                                                                                                                      TIME 1.1386E-06 DT 1.083E-07
                                                                                                                                                                                                                                                                                                                                                     E+08 XM= 1.33564288
                                                                                                                                                                                                                                                                                                                                                                             E+04 U= -6.09365821
E+08 XM= 4.01515514
E-04 0.0
                                                                                                                                                                                                                                                                                                                      **HYDRO - NEGATIVE EMERGY IN I 1 J
                                                                                              2.000E-02
2.500E-02
                                                                                                                      3.000E-02
                                                                                                                                              4.000E-02
                                                                                                                                                                      5.000E-02
5.500E-02
                                                                                                                                                                                              6.000E-02
                                                                                                                                                                                                                       7.000E-02
7.500E-02
                                                                                                                                                                                                                                              8.500E-02
                                                                                                                                                                                                                                                                      9.000E-02
                                                                                                                                                                                                                                                                                             000000000000000000000 1.000E-01
20 XX+++++++++++++++ -9.537E-09
                                                                                                                                                                                                                                                                                                                                              E+04 U= 0.0
                        21 XX++00++++++++++
                                                                                             22 XX0000000000000000000000
                                                                               00000000000000 0x
                                                                                                                                                                                                                                                                                                                                             P= 1.41264180
XI= -5.84034560
XM= 1.33564288
NEG EMERGY AT I=
P= 1.4145742
XI= -5.81867520
XM= 4.01515514
                                                                                                                                                                                                                                                                                                                                      NEG ENERGY AT 1=
                                                                                                                      27
                                                                                                                                              28
                                                                                                                                                                      3 3
                                                                                                                                                                                             33
                                                                                                                                                                                                                       33
                                                                                                                                                                                                                                                                                             0
```

A LOS

* RTSTOP *

********* ********** TIME 3.460669E-06 DT 4.797723E-08 CYCLE 104 PROB 1.3000

KINETIC ENERGY INTERNAL ENERGY 5.21732662

1.03060760 E+13

E+13 6.24793422 E+13 6.24795771

E+01

E+13 -1.16579037

REL ERROR

ETH

TOTAL ENERGY

Ŧ TOTAL MASS

E+03 -1.31707287 6.43812891 E+03 6.43812109

E+00

RELMERR

2 J 13 MAX UEL = 7.61969E+05 AT I 2 J 25 MAX CS = 6.54954E+05 AT I

213

CELL SETTING DT, 1 2 J 20

TOTAL TIME FOR THIS PROBLEM O HOURS, 3 MIN, 36 SEC

TINE FOR THIS RUN O HOURS, 3 MIN, 36 SEC
OUNIZ FACTOR TOTAL PROBLEM = 2.40E-03 SEC/CELL/CYCLE
OUNIZ FACTOR SINCE LAST DUMP = 2.43E-03 SEC/CELL/CYCLE

		=	=	=	5	2	2	2	2
	¥	-9.50E+00 5.00E-01 1 4.81055E-04	-9.00E+00 5.00E-01 1 4.78240E-04	-8.50E+00 5.00E-01 1 4.79188E-04	-8.00E+00 5.00E-01 1 6.74388E-05	-7.50E+00 5.00E-01 1 4.41102E-05	-7.00E+00 5.00E-01 1 5.41771E-05	-6.50E+00 5.00E-01 1 7.18963E-05	-6.00E+00 5.00E-01 1 9.39376E-05
		-	-	-	-	-	-	-	-
	£	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01
	-	-9.50E+00	-9.00E+00	-8.50E+00	-8.00E+00	-7.50E+00	-7.00E+00	-6.50E+00	-6.00E+00
	SRZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	822	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SR SR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SHO OH OH OH OH OH OH OH OH OH OH OH OH O	1.225E-03	1.218E-03	1.220E-03	1.717E-04	1.123E104	1.380E-04	1.831E-04	2.392E-04
0.500	Ħ	2.044E+09 1.225E-03 0.0	2.039E+09	2.039E+09	2.262E+07	4.745E+10	6.826E+10	7.240E+10	7.004E+10
0.500 DX(I)=	>	0.0	5.17E+00	3.97E+03	-8.51E+02	2.05E+05	3.916+05	5.44£+05	6.618+05
0.500	>	0.0	2 1.005E+06 1.04E-03 5.17E+00 2.039E+09 1.218E-03 0.0	3 1.007E+06 -1.97E-06 3.97E+03 2.039E+09 1.220E-03 0.0	1.615E+03 1.30E+00 -8.51E+02 2.262E+07 1,717E-04 0.0	5 1.231E+06 6.85E+01 2.05E+05 4.745E+10 1.123E104 0.0	1.941E+06 2.84E+01 3.91E+05 6.826E+10 1.380E-04 0.0	7 2.7446+06 -8.736+00 5.446+05 7.2606+10 1.8316-04 0.0	8 3.504E+06 -3.61E+00 6.61E+05 7.004E+10 2.392E-04 0.0
01= 1 X(1)=	•	1 1.013E+06 0.0	1.005E+06	1.007E+06	1.615E+03	1.231E+06	1.9416+06	2.744E+06	3.504E+06
*10	7 0	-	2	м	•	10	•	1	80

×

经验证

.

-5.00E+00 5.00E-01 1 3.26304E-05 2 2.24184E+00 2.00E+00 5.00E-01 2 2.06195E+00 3 5.45735E-01 -5.50E+00 5.00E-01 1 1.15171E-04 5.70E+01 7.62E+05 1.300E+09 7.858E+00 3.66E+07 1.31E+04 3.55E+07 -4.00E+00 5.00E-01 2 3.08588E+00 5.96E+01 7.62E+05 1.298E+09 7.858E+00 5.07E+07 -2.41E+07 4.21E+07 -3.50E+00 5.00E-01 2 3.08599E+00 6.17E+01 7.62E+05 1.299E+09 7.859E+00 7.42E+07 -7.74E+07 4.90E+07 -3.00E+00 5.00E-01 2 3.08619E+00 5.99E+01 7.62E+05 1.297E+09 7.860E+00 1.42E+08 -2.28E+08 5.56E+07 -2.50E+00 5.00E-01 2 3.08672E+00 16 1.145E+09 5.69E+01 7.62E+05 1.297E+09 7.864E+00 3.78E+08 -7.02E+08 6.30E+07 -2.00E+00 5.00E-01 2 3.08803E+00 17 3.129E+09 5.56E+01 7.61E+05 1.300E+09 7.873E+00 1.15E+09 -2.21E+09 3.80E+07 -1.50E+00 5.00E-01 2 3.09161E+00 18 8.829E+09 1.29E+01 7.59E+05 1.312E+09 7.899E+00 1.60E+09 -3.12E+09 -4.02E+07 -1.00E+00 5.00E-01 2 3.10174E+00 19 2.326E+10 -2.88E+01 7.54E+05 1.402E+09 7.959E+00 1.58E+09 -3.12E+09 -7.21E+07 -5.00E-01 5.00E-01 2 3.12551E+00 4.809E+10 -4.93E+01 7.42E+05 1.844E+09 8.043E+00 1.56E+09 -3.09E+09 3.06E+07 -9.54E-07 5.00E-01 2 3.15844E+00 7.921E+10 1.34E+03 7.20E+05 3.246E+09 8.095E+00 1.51E+09 -3.02E+09 1.18E+08 5.00E-01 5.00E-01 2 3.17904E+00 1.093E+11 4.23E+03 6.83E+05 5.756E+09 8.079E+00 1.44E+09 -2.89E+09 6.80E+07 1.00E+00 5.00E-01 2 3.17269E+03 1.120E+11 5.60E+03 6.21E+05 8.196E+09 7.952E+00 1.18E+09 -2.35E+09 -4.24E+07 1.50E+00 5.00E-01 2 3.12288E+00 27 2.185E+10 -1.05E+03 6.34E+04 1.486E+10 2.644E+00 3.59E+09 -7.05E+09 2.61E+08 3.50E+00 5.00E-01 3 1.0384BE+00 5.60E+01 7.62E+05 1.303E+09 7.858E+00 2.75E+07 1.65E+07 2.55E+07 -4.50E+00 5.00E-01 2 3.08579E+00 25 3.579E+11 -6.10E+03 4.33E+05 1.308E+11 4.133E+00 3.53E+09 -7.05E+09 -5.59E+07 2.50E+00 5.00E-01 3 1.62316E+00 26 1.959E+11 -5.56E+03 2.46E+05 7.607E+10 3.614E+00 3.56E+09 -7.05E+09 2.67E+08 3.00E+00 5.00E-01 3 1.41933E+00 28 1.974E+09 -4.52E+01 4.89E+03 1.035E+09 2.251E+00 7.44E+08 -1.47E+09 2.25E+07 4.00E+00 5.00E-01 3 8.83838E-01 2.043E+08 8.06E-02 4.50E+02 7.816E+08 2.203E+00 9.53E+07 -1.86E+08 1.73E+06 4.50E+00 5.00E-01 3 8.65158E-01 3.58E+04 5.00E+00 5.00E-01 3 8.64048E-01 1.20E-02 7.810E+08 2.200E+00 5.89E+04 -1.05E+04 1.17E+03 6.50E+00 5.00E-01 3 8.63935E-01 5.50E+00 5.00E-01 3 8.63944E-01 6.00E+00 5.00E-01 3 8.63936E-01 1.51E+03 5.15E+03 2.207E+11 3.12E+03 5.55E+05 3.771E+10 6.640E+00 1.35E+09 -2.67E+09 0.0 0.0 0.0 8.675+06 -1.715+07 7.62E+05 1.307E+09 5.709E+00 1.62E+07 3.00E+07 7.16E+05 -1.52E+06 8.23E+04 -1.52E+05 0.0 9 4.182E+06 2.76E+01 7.43E+05 6.720E+10 2.933E-04 0.0 4.36E+01 7.810E+08 2.200E+00 3.84£+00 7.810E+08 2.200E+00 2.81E-01 7.810E+08 2.200E+00 1.476-01 5.19E+01 1.937E+07 -2.24E-02 -6.83E-03 9.68E-02 12 1.736E+07 5.437E+07 2.084E+06 5.658E+05 22 20 21 23 24 29 30

34 3.638£+03 1.31£-01 6.32£-12 /.810£+08 2.200£+00 3.90£+04 -1.91£+02 5.16£+01 /.00£+00 5.00£-01 3 8.63935£-01 35 5.658E+05 1.51E-01 0.0 7.810E+08 2.200E+00 5.90E+04 5.06E+02 -5.18E+01 7.50E+00 5.00E-01 3 8.63935E-01 37 4.963E+05 1.34E-01 -9.66E-03 7.810E+08 2.200E+00 5.66E+04 6.12E+03 -4.31E+03 8.50E+00 5.00E-01 3 8.63935E-01 38 5.857E+05 8.08E-02 3.89E-02 7.810E+08 2.200E+00 5.22E+04 -5.35E+04 -1.11E+04 9.00E+00 5.00E-01 3 8.63935E-01 39 4.368E+05 2.97E-02 -2.04E-01 7.810E+08 2.200E+00 2.98E+04 -6.62E+03 5.17E+03 9.50E+00 5.00E-01 3 8.63934E-01 1.00E+01 5.00E-01 3 8.63937E-01 36 5.658E+05 1.50E-01 1.30E-02 7.810E+08 2.200E+00 5.89E+04 -2.64E+02 -7.85E+02 8.00E+00 5.00E-01 3 8.63935E-01 0.0 0.0 7.810E+08 2.200E+00 0.0 0.0 40 8.140E+05 0.0

ENERGY MAP

ALTITUDE

12345678901234567890

-8.500E-02 METERS -9.500E-02 -9.000E-02 -8.000E-02 4 11118 3 8888

-7.500E-02

-7.000E-02 -4.500E-02 -6.000E-02 -5.500E-02 1 11 8

111 9

S BBBB

-4.500E-02

-5.000E-02

1	ż		
	_	ı	
	•	•	
1	*	i	
	2	-	
	×	=	

	5.000E-02	5.500E-02		4 0006-02	20 2002	6.300E-02		7.000E-02	7.500E-02	200200	8.000E-02	8.500E-02		9.000E-02	2005	70 3000		BBB 1.000E-01	•	2				2	, TITIBE		METERS
•	30 T	31 8 1	_	. ;	32	33	_	34	35		36	37		18.1		34 18	_	40 BBB BBB BBB	12345678901234567890	•				•		+ 08827341C100021341C1	+
										•			•				•										
-4.000E-02			-3.500E-02	-3.000E-02	-2.500E-02	-2.000E-02		-1.500E-02	-1,000E-02	TTTT BBBBBBBBB -5.000E-03	111 -9.537E-09			11111111 5.000E-03	1.000E-02	1.500E-02		2000	70-3000-7		2.500E-02		3.000E-02	3.500E-02		4.000E-02	4.500E-02
12		,	13 B	14 8	15.1	16		17 881	18	19 1111 81	20 BB TB	•		E E E E E E E E E E E E E E E E E E E	22 198999 8988888	23 BT TTTBT				- •	25 T	, ,	26 TT B T	27 B	J +	28 8 7	29 B T

F.

24 XXX00000000000000000 2.000E-02 25 0X00000000000000000 2.500E-02 24 0000000000000000000 3.000E-02 21 XX++0000++++++++++ 5.000E-03 22 XX+00000000000000000 1.000E-02 23 XXX00000000000000000 1.500E-02 19 XX++++++++++++++ -5.000E-03 20 XX+++++++++++++++ -9.537E-09 17 XX+++++++++++++++ -1.500E-02 18 XX++++++++++++++ -1.000E-02 000000000000 0000 x 2 000 13 XX++++++++++++++ -3.500E-02 15 XX+++++++++++++++ -2.500E-02 16 XX++++++++++++++ -2.000E-02 11 XX+++++++++++++++ -4.500E-02 12 XX++++++++++++++++ -4.000E-02 14 XX+++++++++++++++++ -3.000E-02 8 ++++++++++++++++ -6.000E-02 9 ++++++++++++++++ -5.500E-02 10 ++++++++++++++++ -5.000E-02 6 +++++++++++++++++ -7.000E-02 7 ++++++++++++++++ -6.500E-02 1 +++++++++++++++ -9.500E-02 2 ++++++++++++++++ -9.000E-02 3 ++++++++++++++++++++++ -8.500E-02 4 +++++++++++++++ -8.000E-02 5 +++++++++++++++ -7.500E-02 XXX

0000000000000000	4110000000000000	000000010000000	4268000000000000	4120000000000000	3ACE 0 F 86 00 00 00 00	4C38D31B00000000	41600000000000000	463803290000000	3FCCCCCB00000000	00000000000000000	4130000000000000	4120000000000000	4214000000000000	4213000000000000	00000000000000000	4228000000000000	4227000000000000	0000000000000000	000000010000000	4120000000000000	4419261F00000000	4419262100000000	4214000000000000	4364000000000000	416000000000000000000000000000000000000
0.0	1.00000D+00	0.00001D-79	1.04000B+02	2.00000D+00	4.797720-08	6.24793D+13	6.00000D+00	6.247960+13	5.000001-02	0.0	3.00000D+00	2.00000D+00	2.00000D+01	1.900001-01	0.0	4.00000D+01	3.90000D+01	0.0	0.00001B-79	2.00000D+00	6.438120+03	6.43813D+03	2.00000b+01	1.60000D+03	6.00000D+00
BREF	CODE	COLD	CYCLE	DIMEN	TQ	ELC	£03	ETH	EXPAND	FAIL	FLUXER	GEOM	IMAX	10	ISLAND	JMAX	90	нов	LREF	METHOD	MLC	HTM	£	MHIC	NHIST
	0E-02		0E-02	0E-02		5.000E-02	0E-02		0E-02	06-62		0E-02	0E-02		0E-02	0E-02		9.000E-02	9.500E-02		0E-01			D+00 4114CCCC0000000	4150000000000000
	27 000000000000000000 3.500E-02		28 000000000000000000 4.000E-02	29 0000000000000000000 4.500E-02		30 000000000000000000000000000000000000	31 0000000000000000000 5.500E-02	7 +		33 aaaaaaaaaaaaaaaaaaaa 6.500£-02	٦.		35 00000000000000000000 7.5006-02	٠.	36 0000000000000000000 8.000E~02	37 0000000000000000000 8.500E~02	, .	38 0000000000000000000 9.000	39 000000000000000000000000000000000000	٦ .	40 0000000000000000000 1.000E-01	12345678901234567890	1 2	ZBLK/ PROB 1.30000D+00	ATMOS 5.00000B+00

0000000000	41300000000000000	×	4.000000+00	4140000000000000
1 40000B+01	421000000000000000000000000000000000000	x2	-1,00000B+00	C110000000000000
000000	200000000000000000000000000000000000000	#0x	0.0	0000000000000000
2000000	222222222222222222222222222222222222222	7	8.000000+00	41800000000000000
1,400000+01	421000000000000000000000000000000000000	12	3.20000D+01	4220000000000000
100000	4214040404040404	YGNB	0.0	0000000000000000
00000	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	YIELD	0.0	0000000000000000
20.00000000	000000000000000000000000000000000000000	AIR	1.000000+00	4110000000000000
	000000000000000000000000000000000000000	fE	2.00000D+00	4120000000000000
	000000000000000000000000000000000000000	CONCRT	3.00000D+00	4130000000000000
5.00000B-01	40800000000000000		0.0	0000000000000000
1.00000B+00	4110000000000000		0.0	0000000000000000
1.00000D+00	411000000000000000		0.0	00000000000000000
	00000000000000000		0.0	00000000000000000
3.460670-06	3C3A0F760000000		0.0	0000000000000000
	0000000000000000		0.0	0000000000000000
3.460678-06	3C3A0F760000000		0.0	000000000000000000000000000000000000000
	0000000000000000			0000000000000000
2.161320+02	42B821B000000000			000000000000000000000000000000000000000
1.00000D+02	42640000000000000		0.0	000000000000000000000000000000000000000
1.00000001	41 400000000000000		0.0	00000000000000000
	000000000000000000000000000000000000000		0.0	0000000000000000
1.0000001	000000000000000000000000000000000000000		0.0	0000000000000000
	000000000000000000000000000000000000000		0.0	00000000000000000
			0.0	00000000000000000
			0.0	0000000000000000

NOP
NOP
NOP
NOTOUPB
NSTN
NUARST
PTSTOP
RADLOS
STABF
ST

												NUMBER OF ERRORS
												9
0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	NUMBER
0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	0000000000000000	00000000000000000	0000000000000000	0000000000000000	0000000000000000	ERROR NUMBER
												90c
												THIS
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	FOR
												ERRORS
												A
												1SUMMARY OF ERRORS FOR THIS JOB

437

208

END OF DATA

PROBLEM 1.3 CYBER 176 HULL RUN

BATCH CREATED 88/18/78 TODAY IS 88/21/78 AUTOMATIC BULLETIN TO BATCH JOBS +

	* SYSBULL	SYSBULL CONTENTS	* *
87.87.8	* SITOTS	SACTIONS IN STRUCTS AND INCOME.	* *
07.07.0	D LO MAN	TANDAL TO THE TANDAL TO THE COLOR OF THE COL	
01/2/10	19636	CONTROL OF STATE OF S	•
C.31/78	HI I I I NHX SHX	INFURING TOR USERS OF MASIRAN	*
2/18/78	* CONTACT	LANG TO CONTACT ABOUT COMPUTER PROBLEMS	×
7/14/78	* MODS	FEATURES ADDED TO CDC NOS/BE	*
7/14/78	* CMECMGT	CM AND ECS FIELD LENGTH MANAGEMENT	×
6723778	* FLECS	STRUCTURED PROGRAMMING PRE-PROCESSOR FOR FIN	*
6729.78	* LETTER	ARUL COMPUTER CENTER NEUSLETTER	*
6/14/78	* ASPLIB	AFLE COMMON MATH LIBRARIES	*
5/16/78	* CLASS	CLASSES FOR USERS OF AFILL COMPUTER CENTER	*
5/ 8/78	* ACCESS *	HOW TO DETAIN AN AFM / KAFE COMPUTER ACCOUNT	*
5/ 4/78	* CONFIG	SYSTEMS CONFIGURATION	*
5/ 4/78	* Expoire	AFUR CUSTOMER SERVICE (EXPEDITOR)	*
5/ 1/78	* PRIORTY	JOB CARD PRIORITY CODES	*
42478	* BILLING	AFUL COMPUTER BILLING INFORMATION	*
42178	* DIALUP	COMPUTER DIALUP PHONE NUMBERS	*
4.19.78	* INTRO	BASIC INTRODUCTION TO KAFB COMPUTER CENTER	*
4718778	* DUMPS *	STANDARD PROCEDURES FOR ERROR DUMPS	*
4/14/78	* TITLE	MICROFICHE VISUAL TITLE GENERATION	*
471178	* REQUEST	STANDARD PROCEDURES FOR REQUESTING TAPES	*
47 6773	* PLOT	DEVICE INDEPENDENT PLOT SYSTEM -METAPLOT-	*
3/31/78	* ACCOUNT	ACCOUNT CARD FORMAT.	*
3/38/78	* PFRULES	LOCAL RULES FOR CATALOGING FILES	*
3738778	* BACKUP	PERMANENT FILE BACKUP PROCEDURES	*
3/30/78	* PRMFILE	PERM FILE ACCOUNTING AND BACKUP SYSTEMS	*
3/ 9/78	* LABEL	AFUL LABELLED TAPE PROCESSING	*
3/ 9/78	* FR88	288 SIMULATION VIA FR88	*
3/ 9/76	* COMPILE	FIN COMPILER CHANGES AND RELEASES	*
37 8778	* AFSCHET	INFORMATION ABOUT AFSCNET	*
3/ 7/78	* METAQUE	AUTOMATIC DISPOSITION OF META PLOT FILES	*
2/18/78	* SUITCH *	NEW INTERCOM PHONE SWITCH	*
1/17/78	* DIFFER	DIFFERENCES IN NOS/8E FROM 6600 TO CYBER 176	*
1/ 4/78	* DISSTIP	DISSPLA TECH. INFO. PROGRAMMING SUGGESTIONS	*
18/ 3/77	* DISSPLH	A NEW USER ORIENTED PLOTING PACKAGE	* ;
	ACIONACIONACIONACIONACIONACIONACIONACION	LINEAN CANADAR CONTINUES C	ź
87.16.79	AND COLOREDO CONCINED	DITION FOR EY 24. 126 PHODGES LITT ON HD BY DROLL 15%	*
8/16/28	O CAG AGE OF LIFE OF THE OF TH	OCCUPATION TO THE TANK THE TAN	*
00000	THE PROPERTY OF MERCES	EL COLON METONIN THE CAMPACTURE OF THE CAMPACTUR	*
0/12/0	TOTAL CHONCES TO	GE TITT CIDEN RECORD IMPREEN MANELS CLASS DAS DEEN	*
0/19/0	STATE TO CONTE	THE CHARGE IN THE CENTER HAS THE BEEN THE CHARGE THE THE THREE THE THREE	*
9/19/19	ATT THE TOT OF OUR	HIGHORY AND CONTROL TO THE TAIL THE CONTROL OF THE	*
8/18/0	AN 412 WILL NOT BE HA	PILHBLE HFIEK ZB HUB 78. THIS WILL BE THE NEW	+ +
8/19/18	XX PLAM HREH. PLEHSE	REMOVE HIL LISTINGS OR CHRU DELKS STOKES THERE.	÷ *
8//9//8			
	*CHCHCHCHCHCHCHCHCHCHCHCHCHCHCHCHCHCHCH		ŝ

NOT ENOUGH RESOURCES. I COULD ONLY PROVIDE +
TAPE4 SEARCH FOR START CYCLE

STEEL PENETRATOR INTO CONCRETE

TIME 0. PROB 1.3000 CYCLE BACKSPACING 2 RECORDS TAPE POSITIONED

DISK VERSION

MONOMIN SELECTED FOR THIS RUN MONOMON

DIFFERENCE METHOD -

SHELL 11

STATION DATA ROUTINES INCLUDED EQUATION OF STATE -

SOLIDS - NO STRENGTH ATMOSPHERE -

CONSTANT VOLUME AND ENERGY FLUXING REZONE -

NO REZONE CODE -

HULL DIMENSIONS -

2-D GEUMETRY - CYLINDRICAL NO RADIATION ROUTINES PARTICLES -

CODE INCLUDED

AND MATERIAL STRENGTH

WITH 6 FLUXED HISTORIES/CELL

经验

PLANK.
B.
DEF INET
S WERE
OPTIONS
FOLLOWING
w

BY PLANK.		
DEF INED	28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 ñão e - e a e e e e e e e e e e e e e e e e
IONS WERE		
FOLLOWING OPTIONS	RATIOS BURR CODE DIMEN EDS CODE DIMEN LAND LAND LAND LAND LAND LAND LAND LAN	NROLPB NSTN NAPRST REZONE STRESS SURF SUL VISC LAMB BBOUND LEBOUND REEL PULL VOIDS FAIL STRAIN MAT ARE TAT
F 70		226

THE FOLLOWING OPTIONS LERE SPECIFIED LAFEN EXECUTIVE PROCESSING BEGAN

PLANK
PAGE

LIBRARY
FOR

CODE

CO

20 000000000000000000000000000000000000		176	4	•	-	-	-	4	-	ſ	· LO	. 10	-		-	•	60	10	-	2	ι σο	88	16888	10	32	3828	-	-	60	-	-	21	12	13	15	17	14	15	16	18	S	-
+	+	SYS .	VER .	NOSBE =	- H	ECS .	08JL 18 .	TAPEL 18 =	ROUTE .	DENSHU! =	DENSL IB -	DENSSTA =	LABEL -	DATE -	CONTROL -	- 000	IBM =	• •	-	RDEND .	CARDL =	CARDO	NHEC .	NBLKS =	NP IC	NP ICHRX	STRAIN =	STRESS =	DEBUG .	FILMPR =	HEV .	DENAMER =	DENAMEB =	Ē	DENAMEB =	DSNAMEB =	DANAMEC =	D\$NAMEC =	DENAMEC -	D\$NAMEC =	DENAMED =	AIREDS =

	ING IC STRAIN	3.885-	œ'	
	LORK HARDENING YIELD PLASTIC	4,690E+89 5.500E+39	3.000E+09 - I	11 46.31 46.30 1
الله الله الله الله الله الله الله الله	Ę	8.88E-81 5.88E-81 1.88E+88	9. -1 1.09E+00	1728514631463146 172259898989898989898989898989898989898989
E 09 11.76	APBIENT YIELD THERMAL SHOFTENING (YB) YLDYYB EE/EMELT	1.89E+82 8. 9.89E-81 5. 9.80E-81 5.8	1110	ETE 9999E +99 9999E +99 9999E +99 9999E +99 9999E +99 9999E +99 9999E +99 9999E +99
STARTUP ON CYCLE	YIELD			1.3888888888888888888888888888888888888
L. Seede STHK	AMBIENT Y (YB)	4.690E+09	3.889E+69	PENE TRAT
	HATERIAL	۲،	м	* * * * * * * * * * * * * * * * * * *

17254788888888888888888888888888888888888	17214ଅଷ୍ଟରେମ୍ପର୍ଗ ପ୍ରଥମ ପର୍ଥମ ପ୍ରଥମ ପର୍ଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପର୍ୟ ପ୍ରଥମ ପ୍ରଥମ ପର୍ୟ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପ୍ରଥମ ପର୍ୟ ପ୍ରଥମ ପର୍ୟ ପ୍ରଥମ ପର୍ୟ ପ୍ରଥମ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପ୍ରଥମ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପ୍ରଥମ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ ପର୍ୟ	88888888888888888888888888888888888888	17326200000000000000000000000000000000000	17226898888888888888888888888888888888888	1724489998898989898	1721488888888888888	1722488888888888888888888888888888888888	1723748999999999999999999999999999999999999	17314548888888888888	999999999999999999	ବ୍ରଷ୍ଟରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ର	1717499999999999999	1728488888888888888888888888888888888888	17284888888888888888	авававававававававава		869888888888888888888888888888888888888	вевововововововово	вавававававававава	999999999999999999999999999999999999999	1726620000000000000000000000000000000000	17235888888888888888888888888888888888888	888888888888888888888888888888888888888		2000232222222222	17224888888888888888	6057377777777777777777	17234888888888888888888888888888888888888	17254888888888888888888888888888888888888	9999999999999999	177848888888888888888888888888888888888	1721488888888888888888888888888888888888	172160000000000000000	8585364155555551831		888888888888888888888888888888888888888	999999999999999999	вавававававававава	୫୭୭ଧନ୍ତ ଜଣ
3.900000000000000E+01	2.889888888888888 +98 8.	2.88889888888888888	. Баваравававава	6. BBBBBBBBBBBBBE+BB	.680808888888888	. eageenongeeogge	88888888888888888 +8	1.000000000000000000000000000000000000	6. 8988888888888888 +82	.00	0.0	S. ARBRARABBARABARE-01	1. 3030000000000000000000000000000000000	1.000000000000000E+60	æ :	20.0		.0	e.	œ, œ	1.0000000000000E+02	. вововововововое	9.	1. Bandadadadadada +61		4.00000000000000 +00	-1.000000000000000000000000000000000000		20000000000000000		1 0000000000000000000000000000000000000	2.0000000000000000000000000000000000000	. воверововововое	.82894878487388-	. 6			.0	. s.
30 H08	METHOD M.C.	E 5	NHIC	NHIST NA •	NOP	MPP	HROUPB	NVARST	PTSTOP	RADLOS	REZONE	STABE	STRAIN	STRESS	SUME	TEDON	TLC	TREF	TIME	TTIME6	TTSTOP	UREZ	VISC	VREZ	LORK	¥:	W S	7.1 7.1	2	JUND	TIELD	F	CONCRT	STAPE					

		REL ERROR	RELMERR		
		69	6		
		ETH 5.24799684429785E+13	MTH 6.43844433782561E+83		
00000000000000000000000000000000000000	DT 1.000000E-08	TDTAL ENERGY 3 6.24799634429785E+13	TOTAL MASS 6.43844433782561E+03		
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	69	PGY 65E+1			
6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	9 TIME	KINETIC ENERGY 5.73511793141665E+13		-I AT IMPROPER JACKROK	-I AT I ASION JACKOK
69. 69. 69. 69. 69. 69. 69. 69. 69. 69.	CYCLE			-1 AT I*	-I AT I*
+ INOPT RECER CSTOP RSTOP RTSTOP DCYCST PRINTU DEBUG XINEU YZNEU Y	+ PROB 1.3000 + +	INTERNAL 5.128789128	4	MAX VEL .	• 83 XB++

-: AT I worstork Jacobook

			-	4 4	4	4 0	9	0	20 0	2 0	9	0	9	9	20 0	2 2	9	0	ø .	==	=	=	= .	==	: :	=	=	=	= -	= =	-	=	=
			¥	81056E-04	81056E-04	81856E-84	98661E+88	08661E+98	08661E+00	ABER 1E+P	98661E+9	98661E+9	08661E+0	08661E+0	08661E+0	ARKA IF +P	38661E+8	08661E+0	08661E+0	63938E-8	63938E-8	63938E-0	63938E-8	65958E-0	629395	63938E-0	63938E-0	63938E-0	63938E-0	65958E-0	63938E-8	63938E-0	63938E-8
			E	4.4		2.4.6	2 3.6	2 3.6	23.6	300	2 3.8	2 3.6	2 3.6	2 3.6	2.5	200	2 3.6	2 3.8	2 3.6	3.6		3 6.6	3 8 6	3 6 6	0.0	3 8 6		3 8.6	3 8.6	2000	3 0	3 8.6	3 8.6
			2	6	10	5 6	10	10	60	5 5	9	10	-61	100	9	1 6	91	10	9	9 6	91	10	100	56	3 6	16	-61	91	19	5 6	200	10	-01
			ል	3.88E-8	. 00E-0	3.88E-8	. BOE -0	-90E-	. MOE - 0	PAF-B	PAF	9-300.	. 98E-	. 00E-	0-306-0	BAE-	. 60E-	. 88E-	. BBE-	. 00E-	. 90E-0	- 90E-	.00E-0	ODE-D	900	. 00E-0	-30a.	. 88E-8	.00E-	ODE-D	BAE-B	. 88E-8	.89E-
				88	88	888	28	90	98	2 2	200	8	98	98	8 8	2 2	90	31 5	,,,	2.6	300	8	90	200	2 0	98	98	38	88	000	20 6	38	36
			>	-9.50E+08		-8.88E+88	-7.86E+8	-6.505+00		-5. 20E +0B	-4. 58F+8		-3,58E+BI	-3.88E+98	-2.58E+88	-1 SRE+PR	-1.00E+AB	-5.83E-8	.0	5.00E-01	1.58E+88	2.00E+00	2.50E+00	3.88E+88	3.300.40	4.50E+68	5.88E+88			6.50E+00	7. SAF +86	8.00E+9	.58E
												·																					
			SRZ	60.0	. e		. 6	8	60.0	. c	. 6	. 69	9.	9.				. 6	. 6			. 69	. 69			. 6	9.	9.	9.	9.			
6680 TIME. 7680/176 TIME.			225																														
<u>#</u> 6			Š	6,6	9 .	<i>6</i> 6	9 6	œ.	ø.	2 02	20	6	6	6	6	. 0	6	6	ø.	e . c	. 6	6	6	9.0	9 0	9 6	6	9	6	20 c	z œ	200	i ci
1 28																																	
			SRR																														
15			ß	60.0	6	ø .	ė e	9	ø.	2 c	20	6	ø,	e e	ø,	9 0	. 6	9	ė	e e	60	0	60	9 0	9 0	9 0	0	6	6	6	2 0	ċ	6
SEC				63	93	63	200	99	90	2 2	200	99	99	90	90	200	90	99	96	9 9	90	198	99	99	90	200	99	200	99	99	900	9	83
000			RHO	225E-83	225E-03	225E-03 peastan	860E+98	863E+80	868E+88	SENE TON	BKBT + BB	858E+00	368E+98	868E+88	HEBE +BB	BEDEE TOO	858E+88	868E+88	868E ⊹98	200E +00	200E+30	288E+88	200E+00	200E+90	200E+30	ZODE TOD	200E+00	200E+08	200E+00	200E +00	200E+00	PARE +BR	. 288E+88
N N N			œ	5.5	1.2	7.2	0.00	7.8	2.8	. ני	0		2.9	7.8	000			7.8		2.5	2.5	2.2	2.2	2.5	,,	200	2.2	2.2	2.2	2.0	2.6	10	12.
000	SEC			4	193	9	69	69+	60	000	0 4	60	60	60	000	000	50	60+	50+	8 9	88	108	88	000	000	9 4	88	198	89	88	88	000	810E+08
တွဲ တွဲ တွဲ	22	200	×	844E+89	844E+89	844E+89	68E+69	68E+83	68E+89	695 + 63	CRE +P9	68E+89	681-499	268E+89	258E+89	2685+89	268E+89	268E+89	268E+89	810E+08	810E+08	818E+88	318E+88	910E+09	810E+08	0 10E +08	810E+08	818E+88	818E+88	.810E+08	.810E+08	1 1 1	10E
HOURS, HOURS, HOURS,	MIN,		*	200	2.0	20.0		1.2	2.5			1.2	-2	1.2	7.5	1.0	1.21	1.2	2.1	80 a	. 8	7.8	2.3	V 1		0 0		7.8	7.8	F	× ×		
000	6					4	4	+85	500	מים ל	100	165	192	100	592	100	192	195	192														
	Š	DX(I)=	>			505363	.62E+05	.62E+05	.62E+05	62F +85	62F+85	.62E+05	.62E+85	.62E+85	.62E+05	625+65	. 52E+85	.62E+85	.62E+85														
五四日	8 HOURS,	ă		60 0	6	9,		۲.	r <u>.</u> 1	.,	. ~		۲.	~	× 1	: ^		۲.		e .	Ġ	6	6	6	9 0	2 0	0	6	e i	e o	e e	· c	Ġ
TIME FOR THIS PROBLEM OF THIS AND	60	288																															
P. S.		s.	=																														
Ē	SE N			60 0	Ö	ø .	9 69	e,	o'e	, c	2	6	ø.	6	œ d	2 0	. 0	6	ej.	s i s	Ö	œ.	0	si e	9 0	, c	6	0	6	6	60 6	20	
8	13			35 +86	3E+86	35 +96	36 +86	3E+66	35 +86	35 +96	3F+95	196	99+	98	984	0 4	35 +96	93+	3E+86	94	99	182	98	35 +86	9	200	196	35+96	3E+86	3E +86	3E +96	199	198
Æ	FOR THIS	X(I)*	۵.	013E+86	013E	013E+06	013E	013E		013E		013E+86	813E+86	013E+96	913E+96	013E100	613E	013E+66	BISE	013E+86	0135+86	013E+85	013E+86	013E	0135 100	013E+86	0135+86	€13E	013E	013E	013E	013F+86	013E+96
۲.				3.		7.0		3.1	- ·				1.6	3.				3.	1.8			1.6	3.				3	1.5	3.	-:			
TOTAL	¥.		~ .		m	4 u	9	~	00 0	v @	? =	12	13	4	2	20.	8	19	28	22	23	54	25	56	200	200	30	31	32	33	2 K	36	35
	,,,		,									2	21																				

```
8 8.63930E-01
8 8.63938E-01
1 8.63938E-01
mmm
5.00E-01
5.00E-01
5.00E-01
9.00E+00
9.50E+00
1.00E+01
 0000
             MATERIAL
 0000
 0000
2.200E+00
2.200E+00
2.200E+00
7.810E+08
7.810E+08
7.910E+08
                                                                                                                                  -5.808E-83
8.
5.808E-83
                                                                                         1.888E-82
                                                                                                                                                               2.808E-02
                                      ALTITUDE
 0000
                                                                                                                                12345678901234567890
 0000
1.013E+06
1.013E+05
1.013E+06
38
39
4
                                                             50
                                                                          V 80 0 5
                                                                                             1224
                                                                                                                                   19 28 28 21 (
                                                                                                                                                   23
                                                                                                                19 19
```

学社会。

```
5.1226002E+06
5.2988794E+06
                                                                                                                                                                                                                                                                                                                                                                     2.438273285124427E-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.415297367428995E-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                105
                                                                                                                                                                                                                                                                                                                                                                  CYCLE 1 TIME 1.0000E-08 DT 4.080E-08 IDT 1

CYCLE 2 TIPE 5.0805E-08 DT 6.114E-08 IDT 2

CYCLE 3 TIPE 1.1203E-07 DT 9.059E-08 IDT 2

CYCLE 5 TIPE 2.936IE-07 DT 9.257E-08 IDT 2

CYCLE 6 TIPE 4.0931E-07 DT 1.174E-07 IDT 2

CYCLE 7 TIPE 5.4470E-07 DT 1.537E-07 IDT 2

CYCLE 7 TIPE 6.9437E-07 DT 1.537E-07 IDT 2

CYCLE 8 TIPE 6.9635E-07 DT 1.537E-07 IDT 2

CYCLE 9 TIPE 8.6426E-07 DT 1.537E-07 IDT 2

CYCLE 9 TIPE 8.6426E-07 DT 1.537E-07 IDT 2

CYCLE 9 TIPE 8.6426E-07 DT 1.559E-07 IDT 2

CYCLE 9 TIPE 8.6426978599E-09 CT 1.453806178714498E-094

The 1.453806178714507E-094 OT 1.453806178714498E-094

CYCLE 10 TIPE 1.0000E-06 DT 1.386E-07 IDT 2

CYCLE 10 TIPE 1.0000E-06 DT 1.386E-07 IDT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  101
                                                                                                                                                                      7.900E-02
7.500E-02
          4.8885-92
                                                              5.000E-02
5.500E-02
                                                                                                                  6.888E-82
                                                                                                                                                                                                                                                                             9.888E-82
                                                                                                                                                                                                                         8.988E-82
                                                                                                                                                                                                                                                                                                                                 1.888E-81
L
90000000000000000000000
12345678981234567898
                                                  53
                                                               38
                                                                                                                   33
                                                                                                                                                                       34
                                                                                                                                                                                                                                                                                                                                  4
                                                                                                                                                                                                                           36
                                                                                                                                                                                                                                                                               38
                                                                                                                                                                                                                                                                                               233
```

3.000E-02 3.500E-02

26

A Line

```
1.46571E+80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8 5.88E-81 1 4.81856E-84

8 5.88E-81 1 4.81818E-84

8 5.88E-81 1 4.81818E-84

8 5.88E-81 1 1.27528E-84

8 5.88E-81 1 1.27528E-84

8 5.88E-81 2 3.88538E-88

8 5.88E-81 2 3.88558E-88

8 5.88E-81 2 3.88558E-88
                                                                             3.93818812864106E+00
                                                                                                                                                  1.35609608142842E-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ž
                                                                                                                                  RELMERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9. 58E +08

19. 58E +08

10. 58
                                                                                ETH
6.24799684429785E+13
                                                                                                                                                  6.43844433782561E+83
                                                                                                                                  Ē
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.385674E-07
                                                                                                                                                                                                                                                                                                                                                                                             5688 TIME. 7688/176 TIME.
                                                                               TOTAL ENERGY
6.24802145008485E+13
                                                                                                                                TOTAL MASS
6.43844433782579E+83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89.

90.

90.

1. 976-965

-2. 976-965

-1. 596-965

1. 936-965

1. 356-965

1. 356-965

3. 146-95

3. 146-95
                                                                                                                                                                                                                                                                                                                                                                                             5 5
                                                                                                                                                                                                                                                                                                                                                                             SEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.225E-03
1.225E-03
1.225E-03
3.702E-04
5.296E-04
3.743E+09
7.869E+00
7.966E+00
             1.000000E-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - 4.56E-64 SEC/CELL/CYCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WHIZ FACTOR SINCE LAST DUMP = 4,72E-84 SEC/CELL/CYCLE
                                                                                                                                                                                                                                                                                                                                                                               m o m
                                                                                                                                                                                                                                                                                                                                                                            KINETIC ENERGY
5.59889455756005E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.844E +89
2.844E +89
1.898E +88
5.782E +18
1.273E +89
1.273E +89
1.268E +89
                                                                                                                                                                                                                                                                                                                                                                                                                                                8 MIN, 29 SEC
                                                                                                                                                                                                                                                                                                                                                                            HOURS,
HOURS,
             TIME
                                                                                                                                                                                                                                                         2
                                                                                                                                                                                                                                                                                           51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6.08E-01
5.48E-01
5.48E-01
7.62E-05
                                                                                                                                                                                                                        2 3
                                                                                                                                                                                      2 3
                                                                                                                                                                                                                                                                                                                                                                               000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DX(1)=
             18
                                                                                                                                                                                                                                                                                                                                                                                                                                                B HOURS,
                                                                                                                                                                                                                                                                                                                            21
                                                                                                                                                                                                                                                                                                                                                                          TOTAL TIME FOR THIS PROBLEM
OF THIS
AND
                                                                                                                                                                                                                                                         1.81832E+84 AT
                                                                                                                                                                                                                                                                                           4.98903E+11 AT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UNIZ FACTOR TOTAL PROBLEM
                                                                                                                                                                                      P
                                                                                                                                                                                                                      6.64092E+85 AT
                                                                                                                                                                                                                                                                                                                            2 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6.02E-10

6.02E-10

9.1E-01

7.2E-02

1.39E-02

1.52E-02

1.62E-03

7.12E-03

0.68E-03
                                                                                INTERNAL ENERGY
6.67126792524812E+12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .500
                                                                                                                                                                        +
MRX VEL = 7.62886E+85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                            CELL SETTING DT, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.8135.496
1.8135.496
1.5386.494
6.926.496
6.926.496
1.8366.497
1.8366.497
1.8366.497
1.8366.497
1.8366.497
1.8366.497
1.8366.496
1.2877.496
                                                                                                                                                                                                                                                                                                                                                                                                                                                THIS
                                                                                                                                                                                                                                                         MAX TEMP=
                                                                                                                                                                                                                                                                                                                                                                                                                                    TIME FOR
                                                                                                                                                                                                                      MAX CS =
                                                                                                                                                                                                                                                                                           MAX P =
PROB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              - UNA 10 0 C B 0 8 - U 2 4
                                                                                                                                                                                                                                                                                                                                                                                                                                          234
```

Philips Marchine Marc

£

经验

12345678981234567898 1 + +	+	ALTITUDE 12345679901234567890	#ETERS 1 +++++++++++++++ -9.588E-82 2 +++++++++++++++ -9.08E-82 3 4.4444.		7	X 7 X+++++++++++++++ -6.500E-02	8 X++++++++++++++++++++++++++++++++++++	x 9 X++++++++++++++++++++ -5.589E-82	18 X+++++++++++++++++++ -5.989E-92 X X X X X X X X X X X X X X X X X X X	X 12 X++++++++++++++++++ -4.880E-82	X X 13 XX+++++++++++++++++ -3.580E-82 14 XX++++++++++++++++ -3.808E-82	×××	X 16 XX+++++++++++++++++++++++++++++++++++	
-3.50eE-02 -3.00uE-02 -2.500E-02 -2.000E-02		-1.500E-02 -1.000E-02 -5.000E-03	5.888E-83	1.888E-82	1.500E-02	2.000E-02 2.500E-02	3.888E-92 3.588E-92	4.000E-02 4.500E-02	5.808E-82 5.508E-82	6.800E-02 6.800E-02	7.988E-82	8.886-82 8.580E-82		888B 1.888E-81
13 TH 18 BH 15 BH 16 BH	_	18 8 8 8 19 19 19 19 19 19 19 19 19 19 19 19 19	E TE	22 L	23 TT	24 L 25	√ % ≿ 2:	8 8. 88 83	30 B 3.	32 L	35 L	37		40 BB BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB

17 XX++++++++++++++++++++++++++++-1.500E-02

5.888E-82 5.588E-82

```
4.6310388E+05
                                                  1.9885549E+86
                                                                                                                                                  1.00000006+08 XI(N+1) = -5.8778966+08 KE(N+1) = 1.00000006+08 XI(N+1) = -5.87019876+06 KE(N+1) =
                                                                                                                                                                                                                                                                                                            HEG ENERGY AT I = 1 J = 4

P = 1.228664446390445E+04 U = 9.

V = 5.573149021873967E-01

V = 5.573149021873967E-01

V = 1.628664446390446E+04 U = 9.

MG ENERGY AT I = 2 J = 4

P = 1.233464139009978E+04 U = -7.389194222122770E-31 V = 5.392832869183465E-01

XI = 1.657777714424181E+09 XM = 3.59945716603525E-04
                                                  4 XI (N) IX 4
9.888E-82
                             1.888E-81
```

A Line

```
2.9128464E+85
2.9263735E+85
                                                                                  1.8279634E+85
1.8361146E+85
                                                                                                                                               1.1468983E+85
1.1515588E+85
                                                                                                                                                                                                                   3.1705092E+05
3.1807748E+05
                                                                                                                                                                                                                                                                                      2.3892760E+N5
2.3954884E+05
                                 DT 2.428E-98 IDT 2 JDT 21
DT 2.668E-08 IDT 2 JDT 21
I J 4 XI(N) = 2.9847865E+97 XI(N+1) = -6.5161726E+97 KE(N+1) = 2 J 4 XI(N) = 2.2125868E+97 XI(N+1) = -6.3195676E+97 KE(N+1) =
              1DT 2 JDT 21
1.88980898E+98 XI(N+1) = -1.8556148E+98 KE(N+1) =
1.8980898E+98 XI(N+1) = -1.8462339E+98 KE(N+1) =
                                                                                                                                                                                                                                 4.134428887778538E-81
```

Fin

1.7999117E+85 1.8834984E+85	1.3562037E+05 1.3581144E+05	2.4528554E+05 2.4528554E+05 2.1875343E+05	2.1865916E+05 1.9824967E+05 1.9758362E+07	1,7944912E+95 1,7944912E+95 1,6331499E+ 95 1,6278141E+95	REL ERROR
-81 -3.9460181E+87 KE(N+1) = -3.7688443E+87 KE(N+1) = :-81	-1.8190397E+07 KE(N+1)= -1.6453774E+07 KE(N+1)=		KE (N+1) •	-2.175897F+07 KE(N+1)= -1.8725254E+07 KE(N+1)= -1.3188360E+07 KE(N+1)= -1.8015774E+07 KE(N+1)=	E
3.919186788394722E 2 JDT 21 65580E+07 XI(N+1)= 66354E+07 XI(N+1)= 4.026708026385553E	2 JDT 21 2 JDT 21 313713E+87 XI(N+1) • 537479E+87 XI(N+1) • 2 JDT 21 2 JDT 22	51457E+46 XI(N+1)= 342896E+96 XI(N+1)= 2 JDT 22 2 JDT 22 2 JDT 22 2 JDT 22 2 JDT 22 345146E+96 XI(N+1)=	(10+1)= 22 22 22 (10+1)= (10+1)= 22 22 22	XI (3+1)	E- 06 DT 1.633103E- 0 8 TDT4L ENERGY
3.152641149924921 3.152641149924921 6. DT 2.125E-08 10 DT 2.342E-08 1 J 4 XI(N)= 2 J 4 XI(N)=	99 99	1 J 4 XI(N) = 2 J 4 XI(N) = DT 1.54[E-08 DT 1.697E-08 DT 1.878[E-08 DT 1	2 4 XI(N) = 86 DT 1.488E-88 86 DT 1.806E-88 86 DT 1.806E-88 86 DT 1.585E-88 86 DT 1.546E-88 86 DT 1.746E-88 86	1 J 4 XI(N)= 10 J 1 4 XI(N)= 10 D 1 1.390E-98 10 D 1 1.532E-98 10 J 1 4 XI(N)= 11 J 4 XI(N)= 12 J 4 XI(N)= 12 J 4 XI(N)= 12 J 4 XI(N)= 14 D 1 1.475E-98 16 D 1 1.633E-98	42 TIME 2.000000E-06 KINETIC ENERGY
HEG ENERGY AT I. 2 J. 4 P. 2.451121827989948E+03 U5.457868982114511E-81 V. XI6.1549471659832574E+07 XM. 3.152641149924921E-84 XM. 3.152641149924921E-89 XM. 3.15264114992495E-09 DT CYCLE 21 TIME 1.6418E-06 DT 2.125E-08 IDT CYCLE 22 TIME 1.6631E-06 DT 2.342E-08 IDT XMMYDRO - NEGATIVE ENERGY IN I J 4 XI(N) = 3.42 NEG ENERGY IN I 2 J 4 XI(N) = 3.444 NEG ENERGY IN I 3 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	71 - 3.3 (17712-21) 1584-01 - 3.4 (1771-21) 1584-01 - 0.5 (1771-21) 1584-01 - 0.5 (1771-21) 1584-01 - 0.5 (1771-21) 1584-01 - 0.5 (1771-21) 1884-01 -	Z Z	1	MAYDRO - NEGATIVE ENERGY IN I MAYDRO - NEGATIVE ENERGY IN I CYCLE 33 TIME 1.9271E-06 CYCLE 33 TIME 1.95328-06 CYCLE 34 TIME 1.95328-06 CYCLE 40 TIME 1.9732E-06 CYCLE 41 TIME 1.9732E-06	######################################

													£	2 2.93902E+80
9	-98												Ε	
3.65990417809626E+0	RELNERR 8.59860851571307E-08												ž	4. 81855E-94 4. 88321E-94 4. 88321E-94 4. 88532E-95 9. 13333E-95 1. 25535E-96 1. 25535E-96 1. 25531E-96 1. 65911E-96 3. 88659E+90 3. 88659E+90 3. 88659E+90 3. 88659E+90 3. 18277E+90 3. 18277E+90 3. 18277E+90 3. 18277E+90
5599	9889												Σ	000000000000000000000000000000000000000
													ል	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
6.24799684429785E+13	МТН 6.43844433782576E+ 9 3												>	9.50E+00 1.00E+
6.2479968	6.4384443												SRZ	9.00.00.00.00.00.00.00.00.00.00.00.00.00
1295E+13	5548E+83						6698 TIME. 7690/176 TIME.						225	9. 00. 00. 00. 00. 00. 00. 00. 00. 00. 0
6.24825012168295E+13	TOTAL MASS 6.43844433782548E+83						15						SRR	9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.
	6.9						MIN, 15 SEC MIN, 8 SEC MIN, 15 SEC		CLANCE	LLANCLE			무	1.225E-83 1.223E-83 1.224E-83 2.36E-84 3.199E-84 4.282E-84 4.282E-84 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 7.868E-88 8.86E-88 8.916E-88 8.916E-88 8.633E-88
5.42832575569817E+13		14	23	21	23		HOURS, 8 P HOURS, 8 P	0 MIN, 41 SEC	4.65E-84 SECAELLAYCLE	■ 4.69E-84 SEC CELL CYCLE		.586	¥	2.0446.49 2.0436.49 3.0566.49 6.7306.10 6.7306
5.428328		1 2 1	f 1	T 1 4 J	1 2 3 2	22	000	8 HOURS, 8 F	•			DX(1).	>	7.82E-81 1.92E-83 3.3E-82 5.95E-83 7.54E-85 7.62E-83 7.63E-83 7.63
34778E+12		7.62884E+85 AT	7.17223E+05 AT	1.82646E+84 AT	7.23750E+11 AT	r, i 2 J	THIS PROBLEM OF THIS AND		TAL PROBLEM	FACTOR SINCE LAST DUMP		.598	,	-1. 84E -98 -2. 26E -09 -2. 26E -09 -2. 85E -09 -3. 85
8.19923365984778E+:2			CS - 7.17	TEMP- 1.8	P = 7.237	SETTING DT,	L TIME FOR THIS	FOR THIS RUN	FACTOR TOTAL			1 X(I)•	۵	1.013E+06 1.011E+06 1.012E+06 3.536E+03 3.556E+06 5.494E+06 5.512E+06 -2.754E+07 1.529E+06 1.529E+06 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.529E+07 1.657E+09 8.997E+09
Φ.	•	MAX VEL	¥ X	×	×	· EL	+ TOTAL	11.	E+	#H12	++++	.	+ " +	+

3 1.43646E+00							
20E +08 5.00E -01 2 3.59277E+08 50E +08 5.00E -01 3 1.47534E+08 50E +08 5.00E -01 3 1.47534E+08 50E +08 5.00E -01 3 1.00552E+08 60E +08 5.00E -01 3 8.6394E-01 70E +08 5.00E -01 3 8.6394E-01 70E +08 5.00E -01 3 8.63938E-01							
9. 45 77 407 77 407 77 407 77 407 77 407 77 407 77 407 77 407 77 407 77 70 70 70 70 70 70 70 70 70 70 70 7							
2.5.33 2.7.33 2.7.38 2.7.38 2.7.38 2.7.38 2.7.38 2.8.31 2.8.38	ENERGY MAP						
1.27E+09 3.56E+09 3.56E+09 3.56E+09 5.56E+09 1.15E+08 1.15E+08 1.12E+08 1.1	ENE						
9.149E+86 3.757E+86 2.551E+86 2.551E+86 2.207E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86 2.208E+86							
1.0842E+10 1.157E+11 1.064F+11 1.664E+10 9.147E+98 7.51E+98 7.51E+98 7.51E+98 7.51E+98 7.51E+98 7.51E+98 7.51E+98 7.51E+98 7.51DE+98 7.51DE+98 7.51DE+98 7.51DE+98 7.51DE+98							
6.14E+05 2.76E+05 2.76E+05 2.86E+04 2.86E+04 1.86E+01 1.86E+01 1.86E+01 0.00			ALTITUDE	PETERS -9.500E-02 -9.000E-02 -8.500E-02 -7.500E-02 -7.500E-02 -7.600E-02	-6.888E-82 -5.588E-82 -5.888E-82	-4.508E-82 -4.808E-62 -3.508E-82 -3.808E-82	-2.5886-82 -2.8886-82 -1.5886-82 -1.8886-82
2.386 + 63 3.56 + 63 3.56 + 63 3.56 + 63 3.56 + 63 3.56 + 63 3.57 + 63 9.69 9.69		2	224567898				
4.918E+11 2.388E+11 1.632E+13 7.53E+13 7.53E+86 6.832E+86 1.273E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86 1.813E+86		-	12345678981224567898	88 TT TTT TTT T	6	888	L TT 8866 88
222 222 222 222 223 223 233 243 253 253 253 253 253 253 253 253 253 25	+ ++		242	→0w4@@r		=5254	. 25 7 8 8 7 8

#ETERS 1 ####################################	8 ++++++++++++++++++++++++++++++++++++	10 X++++++++++++++++++++++++++++++++++++	12 X++++++++++++++++++++++++++++++++++++	X X++++++++++++++++++++++++ -3.888E-92 L X X 15	16 XX+++++++++++++++++++++++++++++++++++	18 xx++++++++++++++++++++++++++++++++++
-5.000E-03 6. 5.000E-03 1.000E-02 1.500E-02	2.500E-02 2.500E-02 3.900E-02	3.5808E-92 4.8808E-92 4.5808E-92	5.808E-82 5.508E-82 6.808E-82 6.5308E-82	7.800E-02 7.500E-02 8.800E-02 8.500E-02	9.500E-02	1.888E-81 ALTITUDE
29 BBB T 21 BTT - 29 BTT 21 BTT 22 BTT 22 BTT 22 BBB 23 TTT 23 BBB 23 TTTT 23 BBB 23 B	J► J	B B	8 17 2 EE 33 8 243	34 L 35 36 L 37 37 37 37 37 37 37 37 37 37 37 37 37 3		40 BBBB B BBBBBBBBBBBBBBBBBBBBBBBBBBBBB

S. BBBE-83		1.888E-82	1.580E-02		2.888E-82 2.588E-82	3.888E-82 3.588E-82	4.888E-82	5.888E-82 5.588E-82	6.888E-82 6.588E-82	7.500E-02
21 ××++0+00000000000000000000000000000000	 200	22 >>>0	23 ××500000000000000000000000000000000000	7	24 0900000000000000000000000000000000000	26 000000000000000000000000000000000000	28 000000000000000000000000000000000000	36 000000000000000000000000000000000000	32 000000000000000000000000000000000000	24 000000000000000000000000000000000000

1.3983898E+85 2.5267995E+85

3.888E-82 8.588E-82

1.4967899E+85	2.6641013E+05	1.5146509E+05	2.6824973E+05	2.7629215E+85	1,67318926+85	2.9123721E+05	1.9207644E+84		1.7926409E+05 3.1190538E+05	2.8524337E+84		3.3187448E+05	3.4196408E+05		3.5114538E+05	3.6227881E+05		3.6938285E+05	3.8194628E+85	3.8678484F495	10.0000	4. ddy85d3E +d5
-3.2093076E+06 KE(N+1)-	-3.1273059E+07 KE(N+1)=	-1.2962000E+06 KE(N+1)=	-2.7846483E+87 KE(N+1)=	-3.2622521E+07 KE(N+1)=	-4 MSZMBSZE+#5 KE(N+1)=	-2.7400917E+07 KE(N+1)*	-3.3172447E+87 KE(N+1)=		-2.4826398E+85 KE(N+1)=-2.6555885E+87 KE(N+1)=	-3.2815085E+07 KE(N+1)*		-2.4963502E+07 KE(N+1)*	-3.2169201E+07 KE(N+1).		-2.2675977E+87 KE(N+1) .	-3.8618168E+87 KE(N+1)=		-1.9687096E+07 KE(N+1)*	-2.8478943E+07 KE(N+1)=	-1 6026996497 KECKET)*		-2.5825839E+87 KE(N+1)=
22 22 XI(N+1) •	XI(N+1)=	XI (N+1) =	22 XI (N+1) •	XI (N+1) = 22	21 21 XI (N+1)	XI(N+1)=	XI (N+1) = 21	21	XI (N+1) =	Z1 XI(N+1)=	122	XI (N+1) =		28 8	XI(N+1)=	XI (N+1) =	78 78 78	XI (N+1) = 28	XI(N+1)=	28 28 28 28 28	28	28 28 28
1DT 2 JDT 1DT 2 JDT 3.2573259E+407 1DT 2 JDT 1DT 2 JDT	3.9577668E+86	3.1979270E+07 IDT 2 JDT	1DT 2 JDT 1DT 2 JDT 8.5291295E+96	101 2 JDT 1.0154393E+06 1DT 2 JDT	1DT 1 JDT 1DT 1 JDT 3 63835886+87	8.3260417E+06 IDT 1 JDT	5.6846769E+05	TOU I TOI	3.6427880E+07 9.0157770E+06	101 1 101 8.5278655E+95	TOT 1	1.0385443E+07	1.35352916+86	107 2 JOT 2 JOT 2 JOT 2	1.2112239E+87	2.5564541E+86	107 2 JDT 107 2 JDT	1.4472328E+87	4.2154489E+86	1DT 2 JDT 1DT 2 JDT 1	TDT 2 JDT	6.2887849E+86 > IDT 2 JDT IDT 2 JDT
DT 1.433E-08 DT 1.580E-08 1 J 4 XI(N) = DT 1.480E-08		: 4.	DT 1.748E-08 2 J 4 XI(N)	DT 1.530E-08 1 J 4 XI(N) = DT 1.528E-08		2 J 4 XI(N)= DT 1.734E-08	-	DT 1.785E-08 DT 1.965E-08		DI 1.838E-88	DT 1.719E-08 DT 1.892E-96		1 J 4 XI(N)=	DT 2.004E-08	2 J 4 XI(N)=	J 4 XI(N) =	DT 2.122E-08 DT 2.335E-08	2 J 4 XI(N) - DT 2.184E-88	J 4 XI(N) -	DT 2.247E-08	DT 2.313E-08	DT 2.380E-08
44 TIPE 2.0316E-06 45 TIPE 2.0460E-06 NEGATIVE ENERGY IN 1 1 46 TIPE 2.0766E-06 47 TIPE 2.0766E-06	TIVE ENERGY IN I				90-	NEGATIVE ENERGY IN I 2 56 TIME 2.2226E-96	-	58 TIME 2.2562E-86 59 TIME 2.2748E-86	-14	TIVE ENERGY IN I	61 TIME 2.3120E-06 62 TIME 2.3292E-05	TIVE ENERGY IN 1	TIVE ENERGY IN I		"	NEGATIVE ENERGY IN I I	8 8	NEGATIVE ENERGY IN 1 2		74 TIME 2.5755E-86 75 TIME 2.5960E-86	76 TIME 2.6227E-86	NEGATIVE ENERGY IN 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CYCLE CYCLE CYCLE CYCLE	**************************************	***HYDRO - CYCLE	CYCLE CYCLE ************************************	**************************************	CYCLE	**************************************	CYCLE	CYCLE	*XXHYDRO - XXHYDRO - I	**************************************		*OMYDRO - 1	**************************************		**************************************	*OMMYDRO - 1	CYCLE	**************************************	**************************************	CYCLE	CYCLE	CYCLE CYCLE CYCLE

```
RELMERR
9.94470459713665E-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REL ERROR
4.14802914063698E+01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4.9272121E+85
3.8161732E+84
                                                                                                                                                                                                                               4.1779998E+85
                                                                                                                                                                                                                                                                                       4.3595736E+85
                                                                                                                                                                                                                                                                                                                                                                                                                4.3078464E+85
                                     4.03037836+05
                                                                                                4.1909913E+05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -1.9972869E+87 KE(N+1) = -2.8531301E+87 KE(N+1) =
                                     -1.1837909E+67 KE(N+1)-
                                                                                                -2.2650622E+07 KE(N+1)=
                                                                                                                                                                                                                         -6.9675372E+86 KE(N+1)=
                                                                                                                                                                                                                                                                                       -1.8954031E+07 KE(N+1)=
                                                                                                                                                                                                                                                                                                                                                                                                             -1.4686553E+86 KE(N+1)-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ETH
6.24799684429822E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6.43844433782832E+83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DT 3.113082E-08
         IS 6600 TIME.
IS 7500/176 TIME.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOTAL ENERGY 6.24850880043680E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOTAL MASS
6.43844433782960E+03
      2.0651329E+07 x 2.0651329E+07 x 2.0651329E+07 x 2.0651329E+06 x 2.067 x 2.07 x 
                                                                                                                                                                                                                                                                                                                      101 2 JDT
1DT 2 JDT
1DT 2 JDT
2.8821031E+07 X
1DT 2 JDT
                                                                                                                                                                                                                                                                                                                                                                                                                                               1.49333885+87 × 3.82335956+86 × 101 2 JDT 101 2 JDT
                                                                                                                                                                                                                         . 4485710E+97 >
T 2 JDT
.1640527E+97 >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MIN, 34 SEC 1
MIN, 8 SEC 1
MIN, 34 SEC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TIME 3.808888E-86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             - 4.75E-84 SEC CELL CYCLE
CYCLE 79 TIME 2.6913E-06 DT 2.619E-08 ID

***CYCLE 80 TIME 2.775E-06 DT 2.49E-08 ID

***CYCLE 81 TIME 2.775E-06 DT 2.291E-08 ID

CYCLE 92 TIME 2.7649E-06 DT 2.291E-08 ID

CYCLE 93 TIME 2.7649E-06 DT 2.291E-08 ID

CYCLE 94 TIME 2.7649E-06 DT 2.521E-08 ID

***CYCLE 94 TIME 2.7649E-06 DT 2.521E-08 ID

CYCLE 94 TIME 2.8178E-06 DT 2.521E-08 ID

***CYCLE 95 TIME 2.8178E-06 DT 2.521E-08 ID

CYCLE 95 TIME 2.8438E-06 DT 2.427E-08 ID

CYCLE 96 TIME 2.8438E-06 DT 2.427E-08 ID

CYCLE 97 TIME 2.8438E-06 DT 2.53E-08 ID

CYCLE 97 TIME 2.8438E-06 DT 2.53E-08 ID

CYCLE 98 TIME 2.824E-06 DT 2.53E-08 ID

CYCLE 98 TIME 2.924E-06 DT 3.23E-08 ID

***CYCLE 98 TIME 2.924E-06 DT 3.23E-08 ID

CYCLE 98 TIME 2.924E-06 DT 3.23E-08 ID

CYCLE 99 TIME 2.954E-08 DT 3.13E-08 ID

CYCLE 99 TIME 2.9564E-08 DT 3.13E-08 ID

CYCLE 99 TIME 2.9564E-08 DT 3.13E-08 ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KINETIC ENERGY
5.28417832865852E+13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8 HOURS, 1 MIN, 8 SEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HOURS,
HOURS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 3 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.86188E+84 AT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOTAL TIPE FOR THIS PROBLEM
OF THIS
AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MRX VEL - 7.61996E+85 RT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6.52919E+85 RT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4.23700E+11 AT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WHIZ FACTOR TOTAL PROBLEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CELL SETTING DT, I 2 J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INTERNAL ENERGY
9.64338479846287E+12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TIME FOR THIS RUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MAX TEMP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MAX CS =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MAX P =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROB
```

学社会

	0
	ă
	Σ
	?
	ະ
	ŭ
	2

1.500 DX(1)= .500 RHO SRR S22 SR2 Y DY H V X1 RHO SRR S22 SR2 SR2 PBE-81 14. -6.04E-07 3.1E-80 2.044E-89 1.225E-83 0. 0. 0. 09.08E-80 5.08E-91 14. -6.04E-07 3.1E-80 2.044E-89 1.225E-83 0. 0. 0. 09.08E-80 5.08E-91 14. -6.04E-07 3.1E-80 2.044E-89 1.225E-83 0. 0. 0. 09.08E-80 5.08E-91 14. -6.04E-07 3.25E-68 2.044E-89 1.225E-83 0. 0. 0. 09.08E-80 5.08E-91 14. -6.04E-08 2.044E-87 1.035E-10 1.741E-94 0. 0. 0. 07.56E-80 5.08E-91 1. -6.04E-09 7.1E-80 5.26E-10 1.741E-94 0. 0. 0. 07.56E-80 5.08E-91 1. -6.04E-09 7.1E-80 5.26E-80 3.044E-89 1.56E-80 1.56E-80 7.56E-80 1.66E-80 1.56E-80 1.56E-80 1.66E-80 1.56E-80 1.66E-80 1		£	4, 81056E-84 4, 79068E-84 4, 79779E-84 7, 18538E-85 5, 31379E-85 6, 83539E-85 9, 21764E-85		7.76055E-01 3 1.29176E+00 1.59655E+00 1.18150E+00 9.12701E-01 8.65903E-01 8.65357/E-01 8.63939E-01 8.63939E-01 8.63938E-01 8.63938E-01 8.63938E-01 8.63938E-01
0		Σ			
No. 1500 DX(1) = .500 No. 1500 DX(1) = .50		4	0.00E-0 0.00E-0 0.00E-0 0.00E-0		0.0000000000000000000000000000000000000
. 500 DX(1)=500 V X1 RHO SRR S22 -6.04E-07 3.11E+00 2.044E+03 1.225E-03 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.		>	-9.50E+00 -9.04E+00 -9.04E+00 -8.50E+00 -7.50E+00 -7.06E+00 -6.50E+00	398E-90 398E-90 398E-90 398E-90 398E-91	2001-1000 2001-1
. 500 DX(1)= . 500 V X1 RHO SRR -6.04E-07 3.11E+00 2.041E+09 1.225E-03 06.04E-07 3.11E+00 2.041E+09 1.225E-03 01.19E-01 -3.57E+02 5.84E+07 1.838E-04 01.38E-07 3.32E+03 5.80E+10 1.741E-04 01.38E-01 6.03E+05 7.80E+10 1.741E-04 01.38E-01 7.62E+05 1.838E+04 01.38E+00 7.62E+05 1.838E+04 01.38E+00 7.62E+05 1.237E+04 01.38E+00 7.62E+05 1.277E+09 7.858E+04 01.38E+00 7.62E+05 1.277E+09 7.858E+04 01.58E+00 7.62E+05 1.277E+09 7.858E+00 01.58E+00 7.62E+05 1.277E+09 7.866E+00 0.45E+07 01.38E+00 7.62E+05 1.277E+09 7.866E+09 0.58E+06 01.38E+00 7.62E+05 1.276E+09 7.86E+09 0.58E+09 01.38E+00 7.62E+05 1.278E+09 7.86E+09 0.58E+09 01.38E+00 7.62E+05 1.268E+09 7.86E+09 0.58E+09 01.38E+00 7.62E+05 1.268E+09 7.86E+09 0.58E+09 01.38E+00 7.62E+05 1.28E+09 7.86E+09 0.58E+09 01.38E+00 7.62E+05 1.418E+09 8.23E+00 1.31E+09 02.34E+03 7.82E+05 7.82E+09 1.32E+00 1.31E+09 02.48E+03 7.82E+09 7.88E+09 0.56E+09 0.56E+09 02.48E+03 7.82E+09 7.88E+09 0.25E+09 1.31E+09 02.48E+03 7.82E+09 7.88E+09 0.25E+09 1.31E+09 02.48E+09 7.82E+09 7.88E+09 0.25E+09 1.31E+09 02.48E+09 7.82E+09 7.88E+09 0.25E+09 1.2E+09 02.48E+09 7.82E+09 7.88E+09 0.29E+09 1.31E+09 02.48E+09 7.82E+09 7.88E+09 0.29E+09 1.31E+09 02.48E+09 7.88E+09 7.88E+09 0.29E+09 1.31E+09 02.54E+09 7.89E+09 7.88E+09 0.29E+09 1.31E+09 02.54E+09 7.89E+09 7.88E+09 0.29E+09 02.54E+09 7.89E+09 7.88E+09 0.29E+09 02.54E+09 7.89E+09 0.29E+09 0.29E+09 0.09E+09 02.54E+09 7.89E+09 0.29BE+09 0.29E+09 0.09E+09 02.54E+09 7.89E+09 0.29BE+09 0.29E+09 0.09E+09 0.0		SRZ	စ်းစ်လ်လ်လ်လ်လ် စော်လ်လ်လ်လ်လ်လ်	1.16E +96 1.4E +96 1.4E +96 1.4E +97 1.99E +97 2.23E +97 1.34E +97 1.34E +97 1.34E +97 1.34E +97 1.34E +97 1.34E +97 1.34E +97 1.44E +97	0.1.366+08 2.566+08 5.576+07 1.156+05 1.156+05 2.576+05 9.286+00 9.287+00 9.287+00 9.297+00 9.308+00 9.308+00 9.308+00 9.308+00 9.308+00
. 500 DX(1) = . 500 V X1 RHO -6.04E-07 3.11E+00 2.041E+09 1.225E-03 0 -1.19E-01 -3.57E+02 2.84E+07 1.225E-03 0 -1.19E-01 -3.57E+02 2.84E+07 1.23E-04 0 -1.38E-07 3.32E+03 2.84E+07 1.23E-04 0 -1.38E-01 -3.57E+02 5.86E+10 1.33E-04 0 -1.38E-01 -3.57E+02 5.86E+10 1.24E-04 0 -1.38E-01 -3.57E+02 5.86E+10 1.74IE-04 0 -1.38E-01 -3.57E+03 5.86E+10 1.74IE-04 0 -1.38E-01 -3.57E+03 5.86E+00 0 -1.38E-01 -3.57E+03 5.86E+00 0 -1.38E-01 -3.57E+03 5.86E+00 0 -1.38E+00 7.52E+03 1.27E+03 7.869E+00 0 -1.38E+00 7.52E+03 1.28E+09 7.869E+00 0 -1.38E+00 7.52E+03 1.28E+09 7.869E+00 0 -1.38E+00 7.52E+03 1.28E+09 1.28E+00 0 -1.38E+00 7.8E+03 1.28E+00 0 -1.38E+00 7.8E+00 7.8BE+00 0 -1.38E+00 7.8BE+00 0.28BE+00 0 -1.38E+00 7.8BE+00 0		225	စ်စ်စ်စ်စ်စ်စ် စ်		956 956 3386 3386 3386 948
. 500 DX(I)= 500 U V XI -6.04E-07 3.11E-00 2.044E+09 -3.38E-07 3.32E-03 2.041E-09 -3.38E-07 3.32E-03 2.041E-09 -1.38E-01 -3.57E+02 5.784E-07 -1.38E+01 -3.57E+02 5.784E-07 -1.38E+01 -3.57E+02 5.784E-07 -1.38E+01 -3.57E+02 5.784E-09 -1.38E+01 -3.57E+03 5.28E+10 -1.38E+01 -3.57E+03 5.28E+09 -1.38E+01 -3.52E-03 1.27E+03 -3.54E+01 -3.52E-03 1.27E+03 -3.54E+01 -3.52E-03 1.26E+03 -3.54E+03 -3.52E+03 1.36E+03 -3.54E+03 -3.52E+03 1.36E+03 -3.54E+03 -3.62E+03 1.36E+03 -3.54E+03 -3.52E+03 1.36E+03 -3.54E+03 -3.53E+03 1.36E+03 -3.54E+03 -3.53E+03 1.36E+03 -3.54E+03 -3.53E+03 1.36E+03 -3.54E+03 -3.62E+03 1.36E+03 -3.54E+03 -3.54E+03 1.36E+03 -3.54E+03 -		SRR	စ်စ်စ်စ်စ်စ်စ်စ်	1.68 + 40 + 40 + 40 + 40 + 40 + 40 + 40 + 4	1.42E+89 3.54E+89 3.55E+89 1.63E+89 2.12E+88 1.41E+86 1.63E+85 1.6
. 500 DX(I)= . 500 U V XI -6.04E-07 3.11E+00 2.041E+09 -3.38E-07 3.32E+03 2.041E+09 -3.38E-07 3.32E+03 2.041E+09 -3.38E-07 3.32E+03 2.041E+09 -1.38E-10 2.39E+05 5.20E+10 -1.38E+01 2.39E+05 5.20E+10 -1.38E+01 2.39E+05 5.20E+10 -1.38E+01 2.39E+05 7.005E+10 -1.38E+01 7.52E+05 1.27E+03 -3.50E+00 7.52E+05 1.26E+09 -3.50E+00 7.50E+00 7.81E+00 -3.50E+00 7.81E+00		RHO	1,225E-83 1,222E-83 1,222E-83 1,838E-84 1,353E-84 1,741E-84 2,347E-84	<i></i>	5.266 F48 9.40 B49 F48 2.32 B48 2.22 B8 F48 2.28 B
500 1.5000 1.5000 1.5000 1.5000 1.5000 1.5000 1.5000 1.5000 1.5	.588	IX	2.044E+89 2.041E+89 2.041E+89 5.784E+87 5.286E+18 7.066E+18 6.657E+18	235 + 293 +	7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88 7.816E-88
8 9 M - 4 W - 1 A A 4 W W 4 W 4 W W W 0 4 4 4 4 4 4 4 4 8 8 8 8 8 8 8 8 8	DX(1)=	>	8. 3.11E+88 3.32E+83 2.36F+82 2.39E+85 6.83E+85 7.16E+85	7. 62E + 45 7. 62E	5.225.483 1.256.485 1.256.484 1.425.484 1.425.484 1.526.484 1.715.484 1.715.484 1.715.484 1.715.484 1.715.484 1.715.484 1.715.484 1.715.484
P P P P P P P P P P P P P P P P P P P	.588	ח	0.00-4.0-6	04 ww4 n4 ww w 6 19 0	
	1 X(I)=	۵	1. 013E+96 1. 007E+96 1. 009E+96 4. 399E+03 4. 399E+03 2. 542E+96 3. 47 1E+96 4. 31 1E+96	4.626.46 1.374.47 1.374.47 7.376.46 6.688.47 9.1316.48 9.1316.49 9.1316.49 9.596.49 9.596.49 9.596.41 1.5356.11	3.945E+11 3.217E+11 4.691E+09 4.33E+09 3.75EE+07 1.242E+06 1.242E+

WHIZ FACTOR SINCE LAST DUMP = 4.83E-84 SEC/CELL/CYCLE + + +

· 经验

32 B 6.000E-02		7. C 2. GOOD 2	35 7.5886-82			36 B. 88ME-82			38 9.000E-02			48 BBBB BB BBBBBBBBB 1.000E-01	12343070501234307050			+	+		ALTITUDE	12345678981234567898	PETER	-9	***	++++++++++	4 ++++++++++++++++++++++++++++++++++++	*******	8 ++++++++++++++++++++++++++++++++++++	*************			10 X+++++++++++++++ -5.808E-82	×	11 X+++++++++++++++++++++++++++++++++++		×	12 X+++++++++++++++ -4.808E-82
ALTITUDE 567890	METERS	-9.588E-82 -9.888E-82	-8.5885-92	-8.884E-82	-7.5885-82	-7.888E-82	-6.989E-82	-5.500E-02		0 0000	-4.5806-82		-4.080E-02	-3.500E-02	-3.000E-02	-2.500E-02		-2.888E-92	-1.500E-02	-1.888E-82 -5.888E-83	50 3000:0		03. 00000000000000000000000000000000000	3.0MME=03	20-20-20-11-50-02-1		2.888E-82		2.500E-02		3.500E-02		4.888E-82	4.588E-82		5.889E-82 5.588E-82
12345678901234567890			3 8888		88	9 2	L 8			, ,	8 2 3		,	13 77	388	15 ET 21	-	_	⊢			,	HA 627		23 81111111	7	24 T	,	22	ر ا با عر	27 1		78 F	29 B	7	38

-3.500E-02	-3.888E-82	-2.588E-92		-2.888E-82	-1.588E-82	-1.888E-82	-5.888E-83		es S	5.888E-83		1.888E-82
* * *	**	** × × ×	,	×××	*** × × ×	××××	**** × × ×	,	×××	x 000000000000000000000000000000000000	Q	0 0000000000000000000000000000000000000
E.	4	5		51	17	18	19		28	21		22
									24	•		

Pin.

0 23 XXX00000000000000000 1.500E-02

							-5.2868697E+86 KE(N+1) - 4.2169524E+85	-1.2117377E+87 KE(N+1)= 6.6428284E+85	-1.3583835E+07 KE(N+1) - 5.5783286E+05	-1,2986518E+07 KE(N+1) - 8,5292383E+85	-1.0389636E+07 KE(N+1) - 6.0755649E+05	-1.9508122E+86 KE(N+1) = 9.3026498E+05			
								-1.2117377E		~1.2986518E					
							28 17 XI(N+1)=	×	×	28 77 XI (N+1) • 28	×	28 28 37 XI(N+1)= 28			
							1DT 2 JDT 2.8657447E+87	1.6155761E+8	1DT 2 JDT 1DT 2 JDT 1.8787426E+87 1DT 2 JDT	1.5451587E+87 1.5451587E+87 1DT 2 JDT	107 2 JDT 2.8188496E+87 107 2 JDT	1DT 2 JDT 1DT 2 JDT 2.5934629E+87 1DT 2 JDT			
							3.426E-98 1 4 XI(N)-		73.299E-08 73.630E-08 74 XI(N)= 73.396E-38	T 3.737E-88 J 4 XI(N) - F 3.496E-88	3.847E-88 1 4 XI(N)= 1 3.599E-88	T 3.961E-08 T 4.359E-08 J 4 XI(N)= T 4 797E-08			
4.888E-82	5.888E-82 5.588E-82	6.800E-02 6.500E-02	7.888E-82 7.588E-82	8.886E-82 8.588E-82	9.888E-82 9.588E-82	1.080E-01	9			ຸ່ນ ຜູ້ນ	9 9	3.3775E-96 DT 3.4171E-96 DT 18GY IN I 2 J 3.4607E-96 DT			
000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	20002000000000000000000000000000000000	00000000000000000000000000000000000000	12345678981234567898	92 - NEGATIV	NEGATIV 94	CYCLE 95 TIME 3.1274E-6 CYCLE 96 TIME 3.1604E-6 CYCLE 96 TIME 3.1604E-1 CYCLE 97 TIME 3.1967E-1	98 NEGATIV 99	NEGATIVE ENE	182 TIME 183 TIME NEGATIVE ENE 184 TIME	+ ************************************	***************************************	
23.58	38	32	35	36	33 38	8	250	*	¥	Her	*	¥	+ * * *	* * +	+

Ē	6.24799684429907E+13	MTH 6.43844433783152E+83											SR2 Y		-8.88E+88			.97E+86 -4.5HL HRB	-3,50E+88
4,797493E-08 NERGY	957E+13	303E+03						6688 TIME. 7688/175 TIME.					225	6.0.0			8. 3.46E+87	3.25E+87 2.59E+87	9.615406
DT 4.797	6.24856359181957E+13	TOTAL MASS 6.43844433783383E+83						5: 52					SRR			200	•		
3.468653E-86 PGY		4.9						MIN, 39 SEC MIN, 8 SEC MIN, 39 SEC		SLLCYCLE	SILCYCLE		RHO	1.225E-03 1.218E-03 1.226E-03	1.717E-94	1.831E-94	2.933E-94 5.788E+88	7.859E+88	7.8680+68
TIME 3.4	5.21789386444235E+13		13	25	21	25		HOURS, 8 HOURS, 8 HOURS, 8	1 MIN, 5 SEC	- 4.77E-94 SEC/CELL/CYCLE	- 4.35E-84 SECKELLKYCLE	.588	×	2.844E+89 2.839E+89 2.839E+89	2.259E+87	7.245E+18	6.455E+19	1.273E+89	1.2716+89
184 KINET	5.217893		1 2 3	1 2 1	T 1 3 3	1 2 3 3	20	മ മ മ	8 HOURS, 1 H			DX(1)-	>	8. 5.16E+88 3.97E+83	2.85E+85	5.446.485	7.43E+85	7.62E+85 7.62E+85	7.626+85
P CYCLE	7724E+13		7.61989E+85 AT	6.54966E+05 AT	1.84830E+84 AT	4.88522E+11 RT	. 1 2 J	TIME FOR THIS PROBLEM OF THIS AND		AL PROBLEM	SINCE LAST DUMP	.500	٦	8. -3.68E-96 -2.27E-92	7.95E+01	-2.40E+01	-4.23E+00	6.21E+88 5.35E+88	5.416+96
1.3888 INTERNAL E	.83867852737724E+13				TEMP- 1.8	P - 4.895;	SETTING DT.	TINE FOR	FOR THIS RUN	WHIZ FACTOR TOTAL	FACTOR SING	*(I)*	a		.2316+86	7396+86		.525E+67	.675E 86
+ + + + + + + + + + + + + + + + + + +	+		HAX VEL	PAX US	MAX TE	E X	CELL S	† 10TAL	TIRE	H12 ;	#12 F	 • .	. 7 ,	-08	4 10	2 / 0		1 1	13

RELMERR 7.85827584953887E-88

REL ERROR 1.90353609812882E+01

ANDRIAN ANDRIAN

2.24161E+86

2

181656E-84 79252E-84 79252E-84 74252E-85 41887E-85 19918E-05 19918

둋

즂

Σ

经技术

8000

. ++	ALTITUDE 12345678901234567890		4 +++++++++++++++++				X: 11 X+++++++++++++++++++++4.500E-02	X 12 X++++++++++++++++ -4.888E-82	-	13 X++++++++++++++ -3.500E-02	x 14 XX++++++++++++++++ -3.080E-02	X 15 XX++++++++++++++ -2.500E-02	16 XX++++++++++++++ -2.808E-82	,	7 XX+++++++++++++++++++++++++++++++++++	X 15 XX+++++++++++++++++++++++++++++++-1.898E-82	X 19 XX+++++++++++++++++++++++++++++++++++	×
-3.000E-02 -2.500E-02 -2.000E-02	-1.500E-82 -1.000E-82	-5.000E-03 0.	5.000E-03	i.500E-02	2.000E-02	2.5006-02	3.888E-82	4.000E-02	4.588E-82	5.888E-82 5.588E-82	6.808E-82	6.300E-02	7.888E-82 7.588E-82	8.800E-02		9.888E-82 9.588E-82	1.000E-01	
a a a	ь ВВТ	8 L 88	_	B! !!!!!!!!	-	-	_E	_		6 0	٠							7
4219	71 81	28	222	53	24	23	26	2	53	38	25	2	3 % 50	36	-	33	4	+

1.65°E

	48 0000000000000000000 1.888E-81 12345678991234567898	~	1.380888888888888 +98 5.8898888888 5.88988888 5	1.000000000000000000000000000000000000	E 1.8488888888888888888888888888888888888	4.79749336958573E-08 6.24856359181957E+13	5.000000000000000000000000000000000000	FAIL 9. 84000000000000000000000000000000000000	2.08080808080808080808080808080808080808	4.000000000000000000000000000000000000	9. 9. 10D 2.88888888888E+88	6. 4384443783393E+93 i 6. 43844433783152E+93 i 2. 888989898989888E+91 i. 68889888888E+91 i	NH 5.7 6. 800000000000000000000000000000000000	4. CARAGORGARA CARACTER 1 1 . CARAGORGARA CARACTER 1 1 . SARAGORGARA CARACTER 1 1 . CARAGORGARA CARACTER 1 1 . CARAGORGARA CARACTER 1 . CARAC	9. 6. 5. 8989989898988 - 9. 1. ярааларарарарары 1.	1.000000000000000000000000000000000000	3.46865339440955E-86 8. 3.971999999995E+@!
	88	5,800E-83	1.898E-82				2.898E-82		2.590E-02		3.800E-02 3.500E-02	4.080E-02 4.508E-02	5.800E-02 5.500E-02	6.888E-82 6.588E-82	7.888E-82 7.588E-82	8.888E-82 8.588E-82	9.8885-82 9.588E-82
28 Xx++++++++++++++++++++++++++++++++++++	,	x 0000000 21 xx++0000000000000000	x xx+0000000000000000000000000000000000	×	000000000000000000000000000000000000000	P. C.	24 >>>0000000000000000000000000000000000	_	25 0×00000000000000000000000000000000000	25	00000000000000000000000000000000000000		38 000000000000000000000000000000000000	32 000000000000000000000000000000000000	L 34 000000000000000000000000000000000000	36 000000000000000000000000000000000000	38 000000000000000000000000000000000000

TANKA ...

```
172358୭ଧିଅପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ରପ୍ର
                                                                 99999999999999999
                                                                                                                                                                                      721488888888888888
                                                                                                                                                                999999999999999999
                                                                                                                                                                                                            99999999999999999
     7254755442641625488
          72662000000000000000
                                вововововововововово
                                      88888888888888888888888888
                                                      7284888888888888888
                                                                                                                                                                                                  .72248888888888888888
                                                            172348888888888888888
                           723588888888888888888
                                                 605737777777777777777
                                                                                 8. 888888888888888 + 8 1
3. 288888888888 + 8 1
9.
          1.0000000000000000E+02
                                            4.0000000000000000 + 40 c - 1.00000000000 + 40
                           1.0000000000000000E+01
8.
3.97119999999995E+01
```

A MARIA

FFX NOS/8E 1.2 KAFB 811 FFX 87/18/78 FLCH-314888 PXCH-258888 FLEC-1728K PXEC-8688K

14.52.48.GRBY31X FROH PCZ/1S
14.52.54.FR IP 8080803.72 UNDS FILE INPUT DE 84
14.52.54.FR II FOCOMY GRBY, MARCHER II FOR II F

THE WEST !

14-57.39 HULL

14-57.39 HULL

14-57.39 HULL

14-57.39 HULL

14-57.39 HULL

14-58.21.CT TP = DYTOCER PFR-DYTHSTLIBRARY

14-58.21.CT TP = DQ2 08040128 UDRDS.

14-59.46.EX TP = DYTOCER PFR-DYTHSTLIBRARY

14-59.46.EX TP = DYTOCER PFR-DYTHSTLIBRARY

14-59.46.EX CY = 081 08049128 UDRDS.

15-81.39.EX CY = 081 08049128 UDRDS.

15-81.30.EX CY = 081 082 UDRDS.

15-81.30.EX CY = 081 UDRDS.

15-81.30.EX COURT.

15-8

```
15.16.00.REVERT.
15.16.02.0P 09007744 LURDS - 15.16.02.0P 090010560 LURDS - 15.16.02.CP 090010560 LURDS ( .5.16.02.CP 090010560 LURDS ( .5.16.02.CP 090010560 LURDS ( .5.16.02.CP 090010560 LURDS ( .5.16.02.CP 090010560 LURDS ( .5.16.02.CD 09001050 L
15.87.11.FILE (TAPEAG.SBF-NO)
15.87.12.FILE (TAPEAG.SBF-NO)
15.87.13.FILE (TAPEAG.SBF-NO)
15.87.13.FILE (TAPEAG.SBF-NO)
15.87.13.FILE (TAPEAG.SBF-NO)
15.87.14.LDSET (TREESTRA-NE) INDBE. PAP-SBEXTAPP)
15.87.14.LDSET (TREESTRA-NE) INDBE. PAP-SBEXTAPP)
15.87.14.LDSET (TREESTRA-NE) INDBE. PAP-SBEXTAPP)
15.87.14.LDSET (TREESTRA-NE) INDBE. PAP-SBEXTAPP)
15.80.12.FILE TAPEAGATAPPE45)
15.80.12.FILE TAPEAGATAPPE45]
15.80.12.FILE TAPEAGATAPPE461
15.80.12.FILE TAPEAGATAPPE461
15.80.12.FILE TAPEAGATAPPE461
15.80.12.FILE TAPEAGATAPPE461
15.80.12.FILE TAPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAPPEAGATAP
```

学的众

28

S - FILE FILMPR , DC 20 S - FILE OUTPUT , DC 40 (386176 MAX USED) C. 45.243 MDJ. S. 26.635 MDJ. 13.864 5. 13.864